2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard

Butte Slough Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	М
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	Α
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Butte Slough Outfall Structure

Item Rating	Rated Item	erall Unit Rating
N	Photo Documentation	Α
Α	Vegetation & Obstructions	
Α	Shoaling / Sedimentation	
Α	Erosion / Bank Caving	
Α	Revetments	
Α	Encroachments	
Α	Culverts: Inlets / Outlets	
N	Culverts: Breaks / Holes / Cracks	
N	Metal Pipes	
N	Trash Racks	
N	Flap Gates	
Α	Sluice/Slide Gates	
N	Electric Gate Operators	
Α	Manual Gate Operators	
Α	Concrete Surfaces	
Α	Concrete Tilting / Settlement	
Α	Concrete Foundations	
N	Security Fencing	
N	Closure Structures	
N	Trash Rakes	
Α	Other Metallic Items	
Α	Monolith Joints	
Α	Safety	
Α	Operation & Maintenance Manual	

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Colusa Weir

Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	А
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Goose Lake Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	А
	Erosion / Bank Caving	A
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N

Operation & Maintenance Manual

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Highland Canal Diversion Weir And Drainage Structure

rall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	N
	Encroachments	М
	Culverts: Inlets / Outlets	М
	Culverts: Breaks / Holes / Cracks	Α
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	М
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Little Chico Creek Control And Weir Structures

A Photo Documentation	NI
V	N
Vegetation & Obstructions	М
Shoaling / Sedimentation	Α
Erosion / Bank Caving	Α
Revetments	Α
Encroachments	Α
Culverts: Inlets / Outlets	N
Culverts: Breaks / Holes / Cracks	N
Metal Pipes	N
Trash Racks	N
Flap Gates	N
Sluice/Slide Gates	N
Electric Gate Operators	N
Manual Gate Operators	Α
Concrete Surfaces	Α
Concrete Tilting / Settlement	Α
Concrete Foundations	Α
Security Fencing	N
Closure Structures	N
Trash Rakes	N
Other Metallic Items	N
Monolith Joints	Α
Safety	М
Operation & Maintenance Manual	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

M&T Ranch Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	А

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Middle Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
Α	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	М
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	А
	Power	Α
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	Α
	Sumps/Wet Well	А
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	А
	Flap Gates	N
	Closure Structures	N
	Security Fencing	А
	Intake and Discharge Pipes	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Moulton Weir

verall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Nelson Bend

rall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	М
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	А
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	Α
	Operation & Maintenance Manual	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
Α	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	М
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
Α	Operating Log	Α
	Operation & Maintenance Manual	А
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	A
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	А
	Flap Gates	А
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Weir No. 2

erall Unit Rating	Rated Item	Item Rating
Α	Photo Documentation	N
	Vegetation & Obstructions	А
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	А
	Flap Gates	N
	Sluice/Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	Α
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Tisdale Weir

Unit Rating	Unit Rating Rated Item			
A	Photo Documentation	N		
	Vegetation & Obstructions	М		
	Shoaling / Sedimentation	Α		
	Erosion / Bank Caving	Α		
	Revetments	Α		
	Encroachments	Α		
	Culverts: Inlets / Outlets	N		
	Culverts: Breaks / Holes / Cracks	N		
	Metal Pipes	N		
	Trash Racks	N		
	Flap Gates	N		
	Sluice/Slide Gates	N		
	Electric Gate Operators	N		
	Manual Gate Operators	N		
	Concrete Surfaces	Α		
	Concrete Tilting / Settlement	Α		
	Concrete Foundations	Α		
	Security Fencing	N		
	Closure Structures	N		
	Trash Rakes	N		
	Other Metallic Items	N		
	Monolith Joints	Α		
	Safety	Α		
	Operation & Maintenance Manual	Α		

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2015 Structure Summary Report

Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Wadsworth Canal Weir No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	М
	Revetments	Α
	Encroachments	Α
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	Α
	Closure Structures	
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Butte Slough Drainage Structure	

Structure Rating	Α
Date of Inspection	07/14/2015
DWR Inspector	Maksim Khashchuk
Accompanied By	Lincoln Carey DWR - Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS Lat	itud	le/Longitude
Calegory	Channels			Start		End
ltom	Photo Do	cumentation		39.19728	8°	39.197288 °
item	Item			-121.94384	7 °	-121.943847 °
DWR ID	DWR_NA0060_38_t _ 2012_1					
Action/Comments						

Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Butte Slough Drainage structure on the water side.

Photo 2 of 5: ST_2015_NA0060_38_1_20150715_00006.jpg



Butte Slough Drainage structure outfall.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Butte Slough Drainage structure on the land side.

Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

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Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	Lined	GPS La	titud	le/Longitude
Calegory	Channels		Start End		End	
Item	Photo Do	cumentation		39.19728	8 °	39.197288 °
item				-121.94384	7°	-121.943847 °
DWR ID	DWR_NA0060_38_t _ 2012_1					
Action/Comments						

Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the pipe from the landside.

Photo 5 of 5: ST_2015_NA0060_38_1_20150715_00009.jpg



Zoomed-in view of the pipe from the landside.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels				GPS Latitude/Longitude			
Category	Channels				Start		
Item	Vegetatio	n & Obstruction	ons	39.19728	88°	39.197288	0
пеш				-121.94384	17°	-121.943847	0
DWR ID DWR_NA0060_38_t _ 2012_2							
	Action/Comments						

Inspector Comments: There is minimal vegetation and debris on the land side, but it does not impede the flow into the structure. The outfall is clear of vegetation.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels				Start		
Item	Shoaling /	Sedimentation	on	39.19728	88°	39.197288	0
item				-121.94384	17°	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_3				
		Action/	Comme	nts			

Inspector Comments: No shoaling or sedimentation is present.

No Photos

Issue No. LM Start 0.00 Rating ** Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Erosion / Bank Caving 39.197288° 39.197288° Item -121.943847 ° -121.943847 ° DWR ID DWR_NA0060_38_t _ 2012_4

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

Rating ** Issue No. LM Start 0.00 5 LM End 0.00 Issue Type + Ma Location * Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Revetments 39.197288° 39.197288 ° Item -121.943847 ° -121.943847 ° DWR ID DWR NA0060 38 t 2012 5 Action/Comments

Inspector Comments: Cobble is grouted in place around the outfall. It appears to be in good condition.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Category Channels			Start		End	
Item	Encroach	ments		39.19728	8 °	39.197288 °	
пеш				-121.94384	7 °	-121.943847 °	
DWR ID	/R ID DWR_NA0060_38_t _ 2012_6						
	Action/Comments						

Inspector Comments: No encroachments or obstructions present.

Rating ** Issue No. LM Start 0.00 M 7 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Culverts: Inlets / Outlets 39.197288° 39.197288° Item -121.943847 ° -121.943847 ° DWR_NA0060_38_t _ 2012_7 DWR ID

Action/Comments

Inspector Comments: The culvert has some debris which must be removed.

LM Start	0.00	Rating **	Α	Issue No.		8		
LM End	0.00	Issue Type +	Ma	Location *				
Category	GPS Latitude/Longitude							
Channels				Start		End		
Item		Breaks / Hole	s /	39.1972	88 °	39.197288	0	
item	Cracks			-121.9438	47 °	-121.943847	0	
DWR ID DWR_NA0060_38_t _ 2012_8								
	Action/Comments							

Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Metal Pipe	es		39.1972	88 °	39.197288	0
пеш				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_9				
			_				

Action/Comments

Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Racks 39.197288° 39.197288° Item -121.943847 ° -121.943847 ° DWR ID DWR_NA0060_38_t _ 2012_10

Action/Comments

Inspector Comments: There are no trash racks on this structure.

LM Start	0.00	Rating **	Α	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Category	& Concrete I	GPS Latitude/Longitude						
Calegory	Channels Channels					End		
Item	Flap Gate	S		39.1972	38 °	39.197288 °		
iteiii				-121.9438	47 °	-121.943847 °		
DWR ID DWR_NA0060_38_t _ 2012_11								
	Action/Comments							

Inspector Comments: The flap gate appears to be in proper working condition.

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	12			
LM End	0.00	Issue Type +	Ma	Location *				
Catagory	& Concrete I	GPS Latitude/Longitude						
Calegory	Category Channels					End		
Item	Sluice/Slic	de Gates		39.197288	3°	39.197288 °		
пеш		-121.943847 ° -121.9						
DWR ID	DWR_NA0060_38_t _ 2012_12							
	Action/Comments							

Inspector Comments: No sluice or slide gates are present.

Issue No. LM Start 0.00 Rating ** Ν 13 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Electric Gate Operators 39.197288° 39.197288° Item -121.943847 ° -121.943847 ° DWR ID DWR NA0060 38 t 2012 13

Action/Comments

Inspector Comments: No electric gate operators present.

Rating ** Issue No. LM Start 0.00 Ν 14 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Manual Gate Operators 39.197288° 39.197288 ° Item -121.943847 ° -121.943847 ° DWR ID DWR NA0060 38 t 2012 14 Action/Comments

Inspector Comments: No manual gate operators on this structure.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		15	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Concrete	Surfaces		39.1972	88°	39.197288	0
item				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	.0060_38_t _ 2012_15					
	Action/Comments						

Inspector Comments: No concrete surfaces to inspect. Grouted cobble has been addressed as a revetment.

Issue No. LM Start 0.00 Rating ** Ν 16 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Concrete Tilting / Settlement 39.197288° 39.197288° Item -121.943847 ° -121.943847 ° DWR ID DWR_NA0060_38_t _ 2012_16

Action/Comments

Inspector Comments: This does not apply to this structure.

Rating ** Issue No. LM Start 0.00 Ν 17 LM End 0.00 Issue Type + Ma Location * Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Foundations 39.197288° 39.197288 ° Item -121.943847 ° -121.943847 ° DWR ID DWR NA0060 38 t 2012 17

Action/Comments

Inspector Comments: No concrete foundation or structure present.

No Photos

No Photos

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS La	titud	le/Longitude	
Calegory	Channels	els		Start		End	
Item	Security F	encing		39.1972	88 °	39.197288	0
пеш				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 2012_18					
		Action/	Comme	nts			

Inspector Comments: No security fencing present.

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Category			Start		End		
Item	Closure S	tructures		39.1972	88 °	39.197288	0
item				-121.9438	47 °	-121.943847	0
DWR ID DWR_NA0060_38_t _ 2012_19							
	Action/Comments						

Inspector Comments: This structure does not appear to have a closure structure.

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start E		End	
Item	Trash Rak	ces		39.1972	38°	39.197288	0
Item				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_20				
	Action/Comments						

Inspector Comments: There is no trash rake on this facility.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		21
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Lati	tud	le/Longitude
Category	Channels	Channels		Start End		End
Item	Other Met	allic Items		39.197288	3°	39.197288 °
пеш				-121.943847	7 0	-121.943847 °
DWR ID	DWR_NA0	0060_38_t _ 2013_21				
	Action/Comments					

Inspector Comments: No other metallic items other than the culvert.

LM Start	0.00	Rating **	N	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	titud	le/Longitude		
Calegory	Channels			Start		End	
Item	Monolith .	Joints		39.1972	38 °	39.197288	0
iteiii				-121.9438	47 °	-121.943847	0
DWR ID	DWR_NA0	060_38_t _ 201	2_22				
		Action/	Comme	nte			

Inspector Comments: No joints to inspect.

LM Start	0.00	Rating **	Α	Issue No.		23
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined				GPS La	titud	e/Longitude
Calegory	Channels			Start		End
Item	Safety			39.1972	88 °	39.197288 °
Item				-121.9438	47 °	-121.943847 °
DWR ID	DWR_NA0060_38_t _ 2012_23					
Action/Comments						

Inspector Comments: There are no safety issues, the facility is located well off of any path of travel. Safety hardware is unnecessary, there are no hazardous conditions that would affect the operation of the facility

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		24
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item		Operation & Maintenance Manual			88 °	39.197288 °
пеш	Manual				47 °	-121.943847 °
DWR ID	DWR_NA0	060_38_t _ 201	3_24			
		Action/	Comme	nts		
Inspector (Comments	: O&M is avai	lable at	the office.		

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Butte Slough Outfall Structure	

Structure Rating	Α
Date of Inspection	07/14/2015
DWR Inspector	Maksim Khashchuk
Accompanied By	Lincoln Carey DWR - Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End
Item	Photo Documentation			39.1949	72 °	39.194972 °
item				-121.9360	88 °	-121.936088 °
DWR ID DWR_NA0060_42_t _ 2012_1						
Action/Comments						

Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the Butte Slough Outfall Structure on the land side.

Photo 2 of 4 : ST_2015_NA0060_42_1_20150715_00006.jpg



View of the mechanical gate operation mechanism.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the stop log slots on the water side.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/14/2015 07/14/2015	Maksim Khashchuk

0.00	Issue Type +			1 (cont)		
	issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels			Start		End	
Photo Documentation			39.1949	72 °	39.194972 °	
			-121.9360	88°	-121.936088 °	
DWR ID DWR_NA0060_42_t _ 2012_1						
Action/Comments						
F	Channels Photo Doo	Channels Photo Documentation DWR_NA0060_42_t _ 201	Channels Photo Documentation DWR_NA0060_42_t _ 2012_1	Channels Start Photo Documentation 39.19497 -121.93608 DWR_NA0060_42_t _ 2012_1	Channels Start Photo Documentation 39.194972 ° -121.936088 ° DWR_NA0060_42_t _ 2012_1	

Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.



View of the Butte Slough Outfall Structure on the water side.

0.00	Rating **	Α	Issue No.		2
0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined		GPS Latitude/Longitude		le/Longitude	
Channels			Start		End
Vegetation & Obstructions		39.19497	'2 °	39.194972 °	
		-121.93608	8 °	-121.936088 °	
DWR_NA0	060_42_t _ 201	2_2			
	0.00 Structures Channels Vegetation	0.00 Issue Type + Structures & Concrete I Channels Vegetation & Obstruction	0.00 Issue Type + Ma Structures & Concrete Lined Channels	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels Start Vegetation & Obstructions 39.19497 -121.93608	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels Start Vegetation & Obstructions 39.194972 ° -121.936088 °

Action/Comments

Inspector Comments: No vegetation obstructing structure or impeding flow.

Nο	Photos	:

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Shoaling / Sedimentation		39.1949	72 °	39.194972 °		
item				-121.9360	38 °	-121.936088 °	
DWR ID DWR_NA0060_42_t _ 2012_3							
Action/Comments							

Inspector Comments: No shoaling or sedimentation visible.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			Lined	GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Erosion /	Bank Caving		39.1949	72 °	39.194972	0
пеш				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_4				
	Action/Comments						

Inspector Comments: No erosion or bank caving was observed on either the land or water side.

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Revetments 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR_NA0060_42_t _ 2012_5

Action/Comments

Inspector Comments: Exisiting cobble on landside appears to be in good condition and is clearly visible.

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			Lined	GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Encroach	ments		39.1949	72 °	39.194972	0
item				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_6				
	Action/Comments						

Inspector Comments: No encroachments or obstructions are visible.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Category Channels			GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Culverts:	Inlets / Outlets	S	39.1949	72 °	39.194972	0
item				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_7				
	Action/Comments						

Inspector Comments: There does not appear to be sediment, debris or vegetation blocking the inlets or outlets.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Culverts: Breaks / Holes / 39.194972° 39.194972° Item Cracks -121.936088 ° -121.936088 ° DWR_NA0060_42_t _ 2012_8 DWR ID

Action/Comments

Inspector Comments: Culverts were submerged at the time of this inspection.

LM Start	0.00	Rating **	N	Issue No.	9		
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			Lined	GPS Latitude/Longitude			
Calegory	Channels			Start	Start End		
Item	Metal Pipe	es		39.1949	72 °	39.194972 °	
item				-121.9360	88°	-121.936088 °	
DWR ID	R ID DWR_NA0060_42_t _ 2012_9						
	Action/Comments						

Inspector Comments: Pipes were fully submerged at the time of the inspection.

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Rad	Trash Racks		39.19497	2 °	39.194972 °	
пеш				-121.93608	8 °	-121.936088 °	
DWR ID	DWR_NA0	060_42_t _ 201	2_10			·	
	Action/Comments						

Inspector Comments: No trash racks on this structure.

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete	Lined	GPS Latitude/Longitude			
Calegory	Channels Start			End			
Item	Flap Gate	s		39.1949	72 °	39.194972	0
пеш				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_11				
	Action/Comments						

Inspector Comments: Flap gates were fully submereged at the time of this inspection.

LM Start	0.00	Rating **	Α	Issue No.		12	
LM End	0.00	Issue Type +	Ма	Location *			
Category		& Concrete I	_ined	GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Sluice/Slic	de Gates		39.19497	2 °	39.194972	0
пеш				-121.93608	8 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_12				
		Action/	Commer	nts			

Inspector Comments: Gates appear to be operating normally.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			Lined	GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Electric G	ate Operators	3	39.1949	72 °	39.194972	0
пеш				-121.9360	88 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_13				
	Action/Comments						

Inspector Comments: No electric gate operators at this facility.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Manual Gate Operators 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR NA0060 42 t 2012 14

Action/Comments

Inspector Comments: Manual gate operators appear to be in good working condition, they are lubricated and appear to move freely.

No Photos

Rating ** Issue No. LM Start 0.00 15 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Surfaces 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR NA0060 42 t 2012 15 Action/Comments

Inspector Comments: Concrete appears to be in very good shape, no visible spalling, cracking or scaling.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	16			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End		
Concrete Tilting / Settlement		39.1949	72 °	39.194972	0			
item			-121.9360	88 °	-121.936088	0		
DWR ID	DWR_NA0	060_42_t _ 201	2_16					
Action/Comments								

Inspector Comments: No evidence of tilting sliding or settlement.

Issue No. LM Start 0.00 Rating ** Α 17 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Concrete Foundations 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR NA0060 42 t 2012 17 DWR ID

Action/Comments Inspector Comments: No evidence of erosion, scouring or undermining near the structure.

Issue No. Rating ** LM Start 0.00 Ν 18 LM End 0.00 Issue Type + Ma Location * Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Security Fencing 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR NA0060 42 t 2012 18 Action/Comments

Inspector Comments: There is a security gate on the road, but no security fencing to inspect.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start End		End	
Closure Structures		39.1949	72 °	39.194972	0		
item				-121.93608	38 °	-121.936088	0
DWR ID	DWR_NA0	060_42_t _ 201	2_19				
Action/Comments							

Inspector Comments: There is no separate closure structure aside from the manually operated sluice gates on the waterside of the structure.

Issue No. LM Start 0.00 Rating ** Ν 20 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR NA0060 42 t 2012 20 DWR ID

Action/Comments

Inspector Comments: No trash rake at this structure.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 21 LM End 0.00 Issue Type + Ma Location * Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR NA0060 42 t 2012 21 Action/Comments

Inspector Comments: Metal railings and catwalks are painted or coated to prevent corrosion.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		07/14/2015 07/14/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Monolith Joints			39.19497	2 °	39.194972 °		
пеш				-121.93608	8 °	-121.936088 °	
DWR ID DWR_NA0060_42_t _ 2012_22							
Action/Commants							

Action/Comments

Inspector Comments: Joints appear to be in good condition.

No Photos

Issue No. LM Start 0.00 Rating ** Α 23 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Safety 39.194972° 39.194972° Item -121.936088 ° -121.936088 ° DWR ID DWR NA0060 42 t 2012 23

Action/Comments

Inspector Comments: Railing is in place at manual sluice gate controls.

No Photos

Rating ** Issue No. LM Start 0.00 24 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Operation & Maintenance 39.194972° 39.194972° Item Manual -121.936088 ° -121.936088 ° DWR NA0060 42 t 2013 24 DWR ID Action/Comments

Inspector Comments: O&M is available at the office.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Colusa We	ir

Structure Rating	Α
Date of Inspection	08/04/2015
DWR Inspector	Michael Pitta
Accompanied By	

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Ν	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		39.2321	35 °	39.232135 °
пеш				-121.9962	53 °	-121.996253 °
DWR ID DWR_NA0060_55_t _ 2012_1						
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir from the right bank.

Photo 2 of 6: ST_2015_NA0060_55_1_20150528_00002.jpg



This is the upstream view of the Colusa Weir structure. Photo 3 of 6: ST_2015_NA0060_55_1_20150528_00003.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



This is the downstream view of the Colusa Weir structure.

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	de/Longitude
Calegory	Channels			Start		End
Item	Photo Dod	cumentation		39.2321	35 °	39.232135 °
item	tem				53 °	-121.996253 °
DWR ID	DWR_NA0	060_55_t _ 201	2_1			
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir from the right bank.

Photo 5 of 6: ST_2015_NA0060_55_1_20150810_00010.jpg



View of the weir facing upstream from the right bank.

LN	M Start	0.00	Rating **	N	Issue No.	1 (cont)
LI	M End	0.00	Issue Type +	Ma	Location *	



View of the weir from inside the right bank of the channel.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

A/W : Acceptable but Monitor & Maintain En : Enforcer

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS La	tituc	de/Longitude	
Category	Channels			Start		End	
Item	Vegetation & Obstructions			39.2321	35 °	39.232135 °	
item	tem				53 °	-121.996253 °	
DWR ID DWR_NA0060_55_t _ 2012_2							
Action/Comments							

Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.



View of the vegetation found in the weir from the right bank of the channel.

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Item	Shoaling /	Sedimentation	on	39.23213	5 °	39.232135	0
item				-121.99625	3°	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_3				

Action/Comments

Inspector Comments: No shoaling or sedimentation present.

Nο	D١	note	20

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion / Bank Caving			39.2321	35 °	39.232135	0
item				-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0		·				
Action/Comments							

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Page 4 of 10

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Revetments			39.2321	35 °	39.232135	٥
пеш				-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_5		·		
Action/Comments							

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir and the riprap.

Photo 2 of 2: x_2015_NA0060_55_5_20150820_00013.jpg



View of the wier and the riprap facing downstream.

LM Start	0.00 Rating ** A			Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS La	titud	e/Longitude	
Calegory				Start		End	
Item	Encroachments			39.2321	35 °	39.232135	0
пеш				-121.9962	53 °	-121.996253	0
DWR ID	DWR_NA0	DWR_NA0060_55_t _ 2012_6					
	Action/Comments						

Inspector Comments: The trash and debris has been removed.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Culverts: Inlets / Outlets			39.23213	5 °	39.232135 °	
пеш				-121.99625	3°	-121.996253 °	
DWR ID	DWR_NA0	DWR_NA0060_55_t _ 2012_7					
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Culverts: Breaks / Holes / 39.232135° 39.232135° Item Cracks -121.996253 ° -121.996253 ° DWR ID DWR_NA0060_55_t _ 2012_8

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	9			
LM End	0.00	Issue Type +	Ма	Location *				
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude				
	Channels			Start		End		
Item	Metal Pipe	es		39.23213	5°	39.232135	٥	
item				-121.99625	3°	-121.996253	٥	
DWR ID	DWR_NA0	060_55_t _ 201	2_9					
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

	LM Start	0.00	Rating **	N	Issue No.	10		
	LM End	0.00	Issue Type +	Ма	Location *			
	Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
	Calegory	Channels	Start		End			
	Item	Trash Rad	cks		39.23213	85 °	39.232135	۰
					-121.99625	3°	-121.996253	۰
	DWR ID	DWR_NA0	060_55_t _ 201	2_10				
1	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating ** Ν 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Flap Gates 39.232135° 39.232135° Item -121.996253 ° -121.996253 ° DWR ID DWR NA0060 55 t 2012 11

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 12 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Sluice/Slide Gates 39.232135 ° 39.232135 ° Item -121.996253 ° -121.996253 ° DWR ID DWR NA0060 55 t 2012 12 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		13			
LM End	0.00	Issue Type +	Ma	Location *					
Structures & Concrete Lined			GPS Lat	ituc	le/Longitude				
Calegory	Channels	nels		Start		End			
Item	Electric G	ate Operators	3	39.23213	5 °	39.232135 °			
пеш				-121.99625	3°	-121.996253 °			
DWR ID	DWR_NA0	060_55_t _ 201	2_13			·			
	Action/Comments								

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating ** Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Manual Gate Operators 39.232135° 39.232135° Item -121.996253 ° -121.996253 ° DWR ID DWR_NA0060_55_t _ 2012_14

Action/Comments Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 15 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Surfaces 39.232135 ° 39.232135 ° Item -121.996253 ° -121.996253 ° DWR ID DWR NA0060 55 t 2012 15 Action/Comments

Inspector Comments: Negligible spalling, scaling or cracking.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

	LM Start	0.00	Rating **	Α	Issue No.		16	
	LM End	0.00	Issue Type +	Ma	Location *			
	Structures & Concrete Lined			oncrete Lined GPS Latitude/Longitu				
	Calegory	Channels		Start		End		
	Item	Concrete	Tilting / Settle	ment	39.23213	35 °	39.232135	٥
	пеш				-121.9962	53 °	-121.996253	۰
	DWR ID	DWR_NA0	060_55_t _ 201	2_16				
1			Action/	Comme	nts			

Inspector Comments: Negligible spalling, scaling or cracking.

Rating ** Issue No. LM Start 0.00 Α 17 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Concrete Foundations 39.232135° 39.232135° Item -121.996253 ° -121.996253 ° DWR_NA0060_55_t _ 2012_17 DWR ID

Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

LM Start	0.00	Rating **	Α	Issue No.		18			
LM End	0.00	Issue Type +	Ma	Location *					
Structures & Concrete Lined			GPS La	itud	le/Longitude				
Category	Channels		Start		End				
Itom	Security F	encing		39.23213	5 °	39.232135	0		
Item		-121.99625	3°	-121.996253	0				
DWR ID	DWR_NA0	060_55_t _ 201	2_18						
	Action/Comments								

Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS La	titud	e/Longitude			
Calegory	Channels		Start		End		
Item	Closure S	tructures		39.23213	5 °	39.232135	0
item				-121.99625	3 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_19				
		Action/	Comme	nts			

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating ** Ν 20 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 39.232135° 39.232135° Item -121.996253 ° -121.996253 °

DWR ID DWR NA0060 55 t 2012 20 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Issue No. Rating ** LM Start 0.00 24 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 39.232135 ° 39.232135 ° Item -121.996253 ° -121.996253 ° DWR ID DWR NA0060 55 t 2013 24 Action/Comments

Inspector Comments: All handrails and guard rails are free of corrosion that would affect safety.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	titud	le/Longitude		
Calegory	Channels			Start		End	
Item	Monolith .	Joints		39.23213	85 °	39.232135 °	
пеш				-121.99625	3°	-121.996253 °	
DWR ID	DWR_NA0	060_55_t _ 201	2_22				
Action/Comments							

Inspector Comments: The monolith joint material is in good condition.

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ма	Location *			
Catagory	Structures & Concrete Lined			GPS Lat	tud	le/Longitude	
Category Channels		Start		End			
Item	Safety			39.23213	5°	39.232135	0
пеш				-121.99625	3°	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	2_23				

Action/Comments

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure.

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	titud	le/Longitude		
Category	Channels			Start		End	
Item		& Maintenan	ce	39.23213	35 °	39.232135	0
пеш	Manual			-121.99625	53 °	-121.996253	0
DWR ID	DWR_NA0	060_55_t _ 201	4_21				
		Action	Comme	nts			

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Goose Lake Overflow Structure	

Structure Rating	M
Date of Inspection	07/02/2015
DWR Inspector	Bob Duffey
Accompanied By	Jason Copper Sutter Yard

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/02/2015 07/02/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ма	Location *		CR	
Category		& Concrete	Lined	GPS L	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Photo Do	cumentation		39.5692	48°	39.569248 °	
item				-121.982569 °		9° -121.982569°	
DWR ID	DWR_NA0	060_225_t _ 20	13_1				
		Action/	Comme	nts			



The structure location is highlighted and is shown in relation to the Sacramento River.

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *	LS	
Structures & Concrete Lined			GPS Latitude/Longitude			
Channels		Start		End		
Itom	Vegetatio	n & Obstruction	ons	39.5692	47 °	39.569247
				-121.9825	69°	-121.982569
DWR ID	DWR_NA0	060_225_t _ 20	13_2			
			_			

Action/Comments

Inspector Comments: Spray the vegetation for approximately 100 feet on both sides of the weir.



View of the vegetation on both slopes of the weir.

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *		LS		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude					
			Start		End			
Itom	Shoaling / Sedimentation			39.5692	48 °	39.569248 °		
Item				-121.9825	69°	-121.982569 °		
DWR ID	DWR_NA0	060_225_t _ 20	13_3					
	Action/Comments							
Inspector (Comments	: No shoaling	or sedin	nentation pr	ese	nt.		

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/02/2015 07/02/2015	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Structures & Concrete Lined				GPS Latitude/Longitude			
Category Channels				Start		End	
Item	Erosion /	Bank Caving		39.56924	18 °	39.569248	0
пеш				-121.98256	9°	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_4				
	Action/Comments						

Inspector Comments: No active erosion.

Issue No. LM Start 0.00 Rating ** Α 5 Issue Type + Ма Location * LS 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Revetments 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR ID DWR NA0060 225 t 2013 5 Action/Comments

Inspector Comments: Existing riprap protection is properly maintained.

Issue No. Rating ** LM Start 0.00 6 0.00 Issue Type + Ma Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Encroachments 39.569248° 39.569248 ° Item -121.982569 ° -121.982569 ° DWR ID DWR NA0060 225 t 2013 6 Action/Comments

Inspector Comments: There is no debris at this location.

No Photos

No Photos

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/02/2015 07/02/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	7			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Catagony	Structures & Concrete Lined			GPS Lat	ituc	le/Longitude		
Category Channels		Start		End				
Item	Culverts:	Inlets / Outlets	S	39.56924	8 °	39.569248 °		
item					9 °	-121.982569 °		
DWR ID	DWR_NA0	060_225_t _ 20	13_7					
	Action/Commants							

Action/Comments Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		8			
LM End	0.00	Issue Type +	Ma	Location *		LS			
Structures & Concrete Lined				GPS Latitude/Longitude					
Calegory	Channels			Start		End			
Itom		Breaks / Hole	s/	39.5692	48 °	39.569248	0		
Category	Cracks			-121.9825	69°	-121.982569	0		
DWR ID	DWR_NA0	060_225_t _ 20	13_8						
	Action/Comments								

No Photos

No Photos

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	9			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude					
				Start		End		
Item	Metal Pipe	es		39.56924	18 °	39.569248	0	
пеш				-121.98256	69°	-121.982569	0	
DWR ID	DWR_NA0	060_225_t _ 20	13_9					
	Action/Comments							

No Photos

Inspector Comments: This item does not apply to this inspection.

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/02/2015 07/02/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category		& Concrete I	GPS Latitude/Longitude				
Calegory	Channels	nnels		Start		End	
Item	Trash Rad	cks		39.56924	3°	39.569248 °	
item				-121.98256	9°	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_10				
	A ation / Common anto						

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *		LS	
Category		& Concrete	_ined	GPS La	titud	e/Longitude	
Calegory	Channels			Start		End	
Item	Flap Gate	s		39.56924	18 °	39.569248	0
ILEIII				-121.98256	69°	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_11				
		A ation /	Camma.	n+n			

No Photos

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ма	Location *	LS	
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels	ls Start				End
Item	Sluice/Slic	de Gates		39.56924	48 °	39.569248 °
item				-121.98256	69°	-121.982569 °
DWR ID	DWR_NA0	060_225_t _ 20	13_12			
	Action/Comments					

No Photos

Inspector Comments: This item does not apply to this inspection.

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/02/2015 07/02/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	13			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Category		ructures & Concrete Lined			oncrete Lined GPS Latitude/Longitude			
Calegory	Channels			Start	art End			
Item	Electric G	ate Operators	3	39.5692	48 °	39.569248	0	
пеш				-121.9825	69°	-121.982569	0	
DWR ID	DWR_NA0	060_225_t _ 20	13_13					
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 14 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Manual Gate Operators 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_14

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ма	Location *	LS		
Category	Structures & Concrete Lined		GPS Latitude/Longitu		le/Longitude		
Category	Channels			Start		End	
Item	Concrete	Surfaces		39.56924	8 °	39.569248°	
пеш				-121.98256	9 °	-121.982569 °	
DWR ID	DWR_NA0	060_225_t _ 20	13_15				
		• • •	_				

Action/Comments

Inspector Comments: Farm equipment needs to stay off of the weir to prevent further damage to the concrete surface.

Photo 1 of 1 : ST_2015_NA0060_225_15_20150728_00004.jpg



View of the concrete crown roadway on the top of the weir.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/02/2015 07/02/2015	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	16			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Category		& Concrete I	& Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels			Start		End		
Item	Concrete	Tilting / Settle	ment	39.569248	°	39.569248		
пеш				-121.982569	°	-121.982569 °		
DWR ID	DWR_NA0	060_225_t _ 20	13_16					
		Action/	Comme	nte				

Inspector Comments: There are no surface areas of tilting.

Issue No. LM Start 0.00 Rating ** Α 17 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Concrete Foundations 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR NA0060 225 t 2013 17 DWR ID

Action/Comments

Inspector Comments: There is no erosion or undermining near the structure.

Rating ** Issue No. LM Start 0.00 Ν 18 0.00 Issue Type + Ma Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Security Fencing 39.569248° 39.569248 ° Item -121.982569 ° -121.982569 ° DWR ID DWR NA0060 225 t 2013 18 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/02/2015 07/02/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *	LS		
Structures & Concrete Lined			Lined	GPS Latitude/Longitude			
Calegory	Channels			Start End		End	
Item	Closure S	tructures		39.5692	48 °	39.569248	0
пеш				-121.9825	69 °	-121.982569	0
DWR ID	DWR_NA0	060_225_t _ 20	13_19				
		Action/	Comme	nts			

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 20 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR_NA0060_225_t _ 2013_20 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ма	Location *		LS	
Category		es & Concrete Lined		GPS Latitude/Longitu		le/Longitude	
Category	Channels			Start		End	
Item	Other Met	allic Items		39.5692	48 °	39.569248	٥
пеш				-121.9825	69°	-121.982569	٥
DWR ID	DWR_NA0	060_225_t _ 20	13_21		,		
		Action/	Commer	nts			

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		07/02/2015 07/02/2015	Bob Duffey

	LM Start	0.00	Rating **	N	Issue No.	22		
	LM End	0.00	Issue Type +	Ma	Location *		LS	
	Structures & Concrete Lined			GPS Latitude/Longitude				
	Calegory	Channels			Start		End	
	Monolith Joints			39.5692	48 °	39.569248	0	
	item				-121.9825	69°	-121.982569	0
	DWR ID	DWR_NA0	DWR_NA0060_225_t _ 2013_22					
- 11								

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Α 24 0.00 Issue Type + Ма Location * LS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Safety 39.569248° 39.569248° Item -121.982569° -121.982569 ° DWR ID DWR_NA0060_225_t _ 2013_24

Action/Comments

Inspector Comments: The yard maintains good safety procedures and no hazards were observed.

LM Start	0.00	Rating **	U	Issue No.	23			
LM End	0.00	Issue Type +	Ma	Location *	LS			
Category		& Concrete I	Lined	GPS La	titud	le/Longitude		
Calegory	Channels			Start		End		
Item	Operation & Maintenance			39.56924	18 °	39.569248 °		
item	Manual			-121.98256	69°	-121.982569 °		
DWR ID	DWR_NA0	13_23			·			
Action/Comments								

Inspector Comments: The weir has not been maintained in several years. Documentation regarding this structure is still being researched. No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Highland Canal Diversion Weir An	Drainage Structure

Structure Rating	M
Date of Inspection	07/21/2015
DWR Inspector	Pavel Kazi
Accompanied By	Bob Duffey Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2015

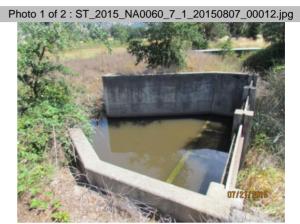
DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Catagoni	Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End		
Item	Photo Documentation			39.1263	17°	39.126317 °	
item				-122.8827	33 °	-122.882733 °	
DWR ID	DWR_NA0	_1					
Action/Comments							

Inspector Comments: Highland Canal Diversion Weir works as a control point that diverts water through a culvert during high water season.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the weir.

Photo 2 of 2: ST_2015_NA0060_7_1_20150807_00013.jpg



Alternate view of the weir.

Photo 1 of 2: ST_2015_NA0060_7_2_20150807_00014.jpg

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Category				Start		End
Item	Vegetatio	n & Obstruction	ons	39.12631	7 °	39.126317 °
пеш				-122.88273	3 °	-122.882733 °
DWR ID	DWR_NA0	DWR_NA0009_7_t _ 2012_2			·	

Action/Comments

Inspector Comments: There was vegetation growth such as cat tails and bushes in the structure which might impede the flow of water through the culvert.



View of the vegetation growth on the inlet of the structure.

Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	М	Issue No.	2 (cont)			
LM End	0.00	Issue Type +	Ма	Location *				
Cotogony	Structures & Concrete Lined			GPS La	atitud	le/Longitude		
Category	Channels	Start		End				
Item	Vegetation & Obstructions			39.1263	17°	39.126317	0	
пеш				-122.8827	33 °	-122.882733	0	
DWR ID	DWR_NA0	009_7_t _ 2012	_2					
Action/Comments								

Inspector Comments: There was vegetation growth such as cat tails and bushes in the structure which might impede the flow of water through the culvert.

Photo 2 of 2: ST_2015_NA0060_7_2_20150807_00016.jpg



View of vegetation on the outlet of the structure.

LM Start	0.00	Rating **	Α	Issue No.		3
LM End	0.00	Issue Type +	Ма	Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Channels		Start		End	
Item	Shoaling /	Sedimentation	on	39.1263 ²	17°	39.126317 °
iteiii				-122.88273	33 °	-122.882733 °
DWR ID	DWR_NA0	_3			·	

Action/Comments

Inspector Comments: No shoaling or sedimentation was present.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined		GPS Latitude/Longitude					
Category	Channels			Start		End		
Item	Erosion / Bank			39.1263	17°	39.126317	0	
пеш				-122.8827	33 °	-122.882733	0	
DWR ID	DWR_NA0009_7_t _ 2012_4							
Action/Comments								

Action/Comments

Inspector Comments: No active erosion or active bank caving was observed around the structure.

No Photos

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Ν	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels	Start		End			
Item	Revetmer	nts		39.1263	17°	39.126317	0
пеш				-122.8827	33 °	-122.882733	0
DWR ID	DWR_NA0009_7_t _ 2012_5						
		Action/	Comme	nts			

Inspector Comments: No riprap was present at this structure.

No Photos

LM Start	0.00	Rating **	М	Issue No.		6
LM End	0.00	Issue Type +	Ma	Location *		
Category Channels				GPS Latitude/Longitude		
Channels			Start		End	
Item	Encroachments			39.1263	17°	39.126317 °
item				-122.8827	33 °	-122.882733 °
DWR ID	DWR_NA0	009_7_t _ 2012	_6			

Action/Comments

Inspector Comments: Minimal debris was found on outlet of the structure.

No Photos

LM Start	0.00	Rating **	М	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Culverts:	Culverts: Inlets / Outlets			17 °	39.126317	0
пеш					33 °	-122.882733	0
DWR ID	DWR_NA0	DWR_NA0009_7_t _ 2012_7					
	Action/Comments						

Inspector Comments: Vegetation was blocking less than 10% of the culverts opening.

Photo 1 of 2: ST_2015_NA0060_7_7_20150807_00017.jpg

View of inlet of the culvert.

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	М	Issue No.	7 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Culverts: Inlets / Outlets			5	39.1263	17°	39.126317 °	
пеш				-122.88273	33 °	-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_7						
		Action/	Comme	nts			

Inspector Comments: Vegetation was blocking less than 10% of the culverts opening.

Photo 2 of 2: ST_2015_NA0060_7_7_20150807_00018.jpg

View of outlet of the structure.

07/21/2015

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ма	Location *			
Category Changels			_ined	GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item		Breaks / Hole	s/	39.1263°	17 °	39.126317 °	
item	Cracks			-122.88273	33 °	-122.882733 °	
DWR ID	DWR_NA0	009_7_t _ 2012	_8				

Action/Comments

Inspector Comments: There were no visible breaks, holes, or cracks detected in the culvert.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	9			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures	Lined	GPS Latitude/Longitude					
Calegory	Channels		Start		End			
Item	Metal Pipes			39.1263	17°	39.126317 °		
iteiii			-122.8827	33 °	-122.882733 °			
DWR ID	DWR_NA0	_9						
	Action/Comments							

Inspector Comments: The outlet pipes appeared to be in good condition.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Ν	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			_ined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Trash Rad	cks		39.1263	17°	39.126317	0
item				-122.8827	33 °	-122.882733	0
DWR ID	DWR_NA0009_7_t _ 2012_10				·		
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

LM Start	0.00	Rating **	М	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category Changele			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Flap Gate	es .		39.1263	17 °	39.126317	0
item				-122.8827	33 °	-122.882733	0
DWR ID	DWR NA0	009 7 t 2012	11				

Action/Comments

Inspector Comments: The flap gates appeared to be in working condition, but one of them was open due to accumulated debris.



View of the flap gates.

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Sluice/Slide Gates			39.1263	17°	39.126317	0
пеш				-122.8827	33 °	-122.882733	0
DWR ID	DWR_NA0						
		Action/	Commo	ntc			

Action/Comments
Inspector Comments: This item does not apply to this inspection.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	13			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitu				
Calegory	Channels		Start		End			
Item	Electric G	ate Operators	3	39.12631	7 °	39.126317°		
пеш					3°	-122.882733 °		
DWR ID	DWR_NA0	_13						
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	tituc	le/Longitude	
Calegory	Channels			Start		End	
Itom	Manual G	ate Operators	;	39.1263°	17°	39.126317 °	
Item				-122.88273	33 °	-122.882733 °	
DWR ID	DWR_NA0	009_7_t _ 2012	_14				
			_				

Action/Comments

Inspector Comments: There are no slide gates on this location.

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	atituc	de/Longitude	
Calegory	Channels			Start		End	
Item	Concrete	Surfaces		39.1263	17 °	39.126317°	
пеш			-122.8827	33 °	-122.882733 °		
DWR ID	DWR_NA0009_7_t _ 2012_15						
Action/Comments							

Inspector Comments: There was minimal cracking and scaling on the concrete structure, but it didn't appear to threaten the structural integrity.

Photo 1 of 1: ST_2015_NA0060_7_15_20150807_00020.jpg



View of the concrete structure.

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	ituc	le/Longitude	
Category	Channels			Start		End	
Item	Concrete	Tilting / Settle	ment	39.12631	7 °	39.126317 °	
пеш				-122.88273	3°	-122.882733 °	
DWR ID	DWR_NA0	009_7_t _ 2012	_16				
Action/Comments							

Inspector Comments: There was no settlement or tilting observed that threatened the structure.

Issue No. LM Start 0.00 Rating ** Α 17 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Concrete Foundations 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR ID DWR NA0009 7 t 2012 17 Action/Comments

Inspector Comments: No scouring or erosion was found near the structure.

Rating ** Issue No. LM Start 0.00 Ν 18 LM End 0.00 Issue Type + Ma Location * GPS Latitude/Longitude Structures & Concrete Lined Category Channels End Start Security Fencing 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR ID DWR NA0009 7 t 2012 18 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

: Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Closure S	tructures		39.1263	17°	39.126317 °	
пеш				-122.8827	33 °	-122.882733 °	
DWR ID	DWR_NA0	_19					
	Action/Comments						

Inspector Comments: Closure structure was in good condition.

Issue No. LM Start 0.00 Rating ** Ν 20 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR ID DWR NA0009 7 t 2012 20 Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 21 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 39.126317° 39.126317° Item -122.882733 ° -122.882733 ° DWR ID DWR NA0009 7 t 2012 21 Action/Comments Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	22			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS La	titud	e/Longitude		
Calegory	Channels		Start		End			
Item	Monolith .	Joints		39.12631	7 °	39.126317 °		
пеш				-122.88273	33 °	-122.882733 °		
DWR ID	DWR_NA0060_7_t _ 2014_22							
	Action/Comments							

Inspector Comments: The monolith joints material were in good condition.

LM Start	0.00	Rating **	Α	Issue No.	23		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony		s & Concrete I	Lined	GPS La	atitud	le/Longitude	
Category	Channels			Start		End	
Item	Safety			39.1263	17°	39.126317	0
item				-122.8827	33 °	-122.882733	0
DWR ID	DWR_NA0	009_7_t _ 2012	_23				

Action/Comments

Inspector Comments: There were no safety hazards around the structure.

LM Start	0.00	Rating **	Α	Issue No.	24				
LM End	0.00	Issue Type +	Ma	Location *					
Category		& Concrete I	_ined	GPS La	tituc	le/Longitude			
Category	Channels	Start		End					
Item	Operation & Maintenance			39.1263	17°	39.126317	0		
Item	Manual	-122.8827	33 °	-122.882733	0				
DWR ID	DWR_NA0	060_7_t _ 2013	_24						
	Action/Comments								

Inspector Comments: The district has the O&M manual in their office.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Little Chico Creek Control And Weir Structures	

Structure Rating	Α
Date of Inspection	06/10/2015
DWR Inspector	Michael Pitta
Accompanied By	

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS La	titud	le/Longitude		
Calegory	Channels	Channels				End
Photo Documentation			39.7337	67°	39.733767 °	
пеш	item			-121.7719	15 °	-121.771915 °
DWR ID	DWR_NA0	060_9_t _ 2012	_1			
		Action/	Comme	nts		

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



This is a photo of the control structure.

Photo 2 of 5: ST_2015_NA0060_9_1_20150528_00002.jpg



This is a photo of the downstream side of the control structure.

Rating ** Issue No. LM Start 0.00 1 (cont) 0.00 Issue Type + Location * LM End Ма



This is a photo of the upstream side of the control structure.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

A/W: Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	Ν	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	_ined	GPS La	atituc	de/Longitude	
Calegory	Channels			Start		End
Photo Documentation				39.7337	67°	39.733767 °
пеш			-121.7719	15 °	-121.771915 °	
DWR ID	DWR_NA0	060_9_t _ 2012	_1			
		Action/	Comme	nts		

Photo 4 of 5 : ST_2015_NA0060_9_1_20150728_00009.jpg

View of the weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 5: ST_2015_NA0060_9_1_20150728_00011.jpg



View of the structure from upstream.

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00 Issue Type + Ma			Location *		
Category	Structures & Concrete Lined			GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Vegetation & Obstructions			39.73376	67°	39.733767 °
item				-121.77191	5 °	-121.771915 °
DWR ID	DWR_NA0	060_9_t _ 2012	_2			

Action/Comments Inspector Comments: There is some vegetation, a few small trees, and some debris on the weir. The flow may be impeded.



This is a view looking downstream.

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	М	Issue No.	2 (cont)			
LM End	0.00	Issue Type +	Ma	Location *				
Category	& Concrete I	GPS Latitude/Longitude						
Calegory	Channels		Start		End			
Item	Vegetation & Obstructions			39.7337	67°	39.733767 °		
пеш			-121.7719	15 °	-121.771915 °			
DWR ID	DWR_NA0060_9_t _ 2012_2							
	Action/Comments							

Inspector Comments: There is some vegetation, a few small trees, and some debris on the weir. The flow may be impeded.

Photo 2 of 2: ST_2015_NA0060_9_2_20150528_00006.jpg



This is a view looking upstream.

ltem 5	LM Start	0.00 Rating ** A			Issue No.		3
Category Channels Start End Shoaling / Sedimentation 39.733767 39.733767	LM End	0.00 Issue Type + Ma			Location *		
Shoaling / Sedimentation Shoaling / Sedimentation Start End 39.733767 ° 39.733767				GPS Latitude/Longitude			
ltem 5	Calegory	Channels		Start		End	
-121.771915 ° -121.771915	Item	Shoaling / Sedimentation			39.7337	67 °	39.733767 °
	iteiii				-121.7719	15 °	-121.771915 °
DWR ID DWR_NA0060_9_t _ 2012_3	DWR ID	DWR_NA0	060_9_t _ 2012	_3			

Action/Comments

Inspector Comments: There appears to be little/no shoaling or sedimentation, the flow does not appear to be impeded.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels			GPS La	titud	le/Longitude		
Category	Channels			Start		End	
Itom	tem Erosion / Bank Caving		39.7337	67°	39.733767	0	
пеш			-121.7719	15 °	-121.771915	0	
DWR ID	DWR_NA0060_9_t _ 2012_4						
Action/Comments							

Inspector Comments: No erosion observed during inspection.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Revetmer	nts		39.7337	67°	39.733767	0
пеш				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0060_9_t _ 2012_5						
		Action/	Comme	nte			

Inspector Comments: Riprap appeared to be in place and sufficient.

LM Start	0.00	Rating **	Α	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete	Lined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Encroachments			39.7337	67 °	39.733767	0
item				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0060_9_t _ 2012_6						
Action/Comments							

Inspector Comments: No encroachments observed.

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Culverts: Inlets / Outlets			39.7337	67 °	39.733767	0
item				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0060_9_t _ 2012_7						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Itom	Item Culverts: Breaks / Holes / Cracks		39.7337	67 °	39.733767	0	
item			-121.7719	15 °	-121.771915	0	
DWR ID	DWR_NA0060_9_t _ 2012_8						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start Ν Issue Type + 0.00 Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Metal Pipes 39.733767° 39.733767° Item -121.771915° -121.771915° DWR ID DWR NA0060 9 t 2012 9

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 10 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Trash Racks 39.733767° 39.733767° Item -121.771915° -121.771915 ° DWR ID DWR NA0060 9 t 2012 10 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Category	- 11 11 11 11 1	& Concrete I	Lined	GPS La	tituc	le/Longitude		
Calegory	Channels		Start		End			
Item	Flap Gate	S		39.7337	67°	39.733767 °		
пеш				-121.7719	15 °	-121.771915 °		
DWR ID	DWR_NA0060_9_t _ 2012_11							
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni		& Concrete	Lined	GPS La	atitud	le/Longitude	
	Channels			Start		End	
Item	Sluice/Sli	de Gates		39.7337	67 °	39.733767	0
item				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0	060_9_t _ 2012	_12				
		۸ ،	_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Э
8767°
915 °
37

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	14			
LM End	0.00	Issue Type +	Ma	Location *				
Catagory		& Concrete I	Lined	GPS La	titud	e/Longitude		
Category	Channels		Start End		End			
Item	Manual Gate Operators			39.7337	67°	39.733767 °		
пеш				-121.7719	15 °	-121.771915 °		
DWR ID	DWR_NA0060_9_t _ 2012_14					·		
	Action/Comments							

Inspector Comments: Manual gate operators appear to be in good condition.

	LM Start	0.00	Rating **	Α	Issue No.		15	
	LM End	0.00	Issue Type +	Ma	Location *			
	Cotogoni		& Concrete I	Lined	GPS La	titud	le/Longitude	
		Channels			Start		End	
	Item	Concrete	Surfaces		39.7337	67°	39.733767	0
					-121.7719	15 °	-121.771915	0
	DWR ID	DWR_NA0	DWR_NA0060_9_t _ 2012_15					
-11				_				

Action/Comments

Inspector Comments: The concrete surface appears to be in good condition.

LM Start	0.00	Rating **	Α	Issue No.	16				
LM End	0.00	Issue Type +	Ma	Location *					
Cotogoni		& Concrete	Lined	GPS La	tituc	le/Longitude			
	Channels			Start		End			
Item	Concrete Tilting / Settlement			39.73376	67°	39.733767	0		
item				-121.7719 ⁻	15 °	-121.771915	0		
DWR ID	DWR_NA0	060_9_t _ 2012	_16						
	Action/Comments								

Inspector Comments: No significant areas of tilting, sliding of settlement.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ma	Location *			
Category	- 11 11 11 11 1	& Concrete I	_ined	GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Concrete	Foundations		39.7337	67°	39.733767	0
пеш				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0060_9_t _ 2012_17						
	Action/Comments						

Inspector Comments: The concrete foundation appears to be in good condition.

LM Start	0.00	Rating **	N	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete	Lined	GPS La	atitud	e/Longitude	
	Channels			Start		End	
Itom	Security F	encing		39.7337	67 °	39.733767	0
Item				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0060_9_t _ 2012_18						
		A 41	<u></u>				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Category	- 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:	& Concrete I	_ined	GPS La	titud	le/Longitude	
Category	Channels	Start		End			
Item	Closure Structures			39.7337	67°	39.733767	0
пеш				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0060_9_t _ 2012_19						
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Rakes		39.7337	67 °	39.733767	0	
пеш				-121.7719	15 °	-121.771915	0
DWR ID	DWR_NA0060_9_t _ 2012_20						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating ** Ν 21 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Other Metallic Items 39.733767° 39.733767° Item -121.771915° -121.771915° DWR ID DWR NA0060 9 t 2012 21

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 22 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Monolith Joints 39.733767° 39.733767° Item -121.771915° -121.771915 ° DWR ID DWR NA0060 9 t 2012 22 Action/Comments

Inspector Comments: Monolith joints appear to be in good condition.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		06/10/2015 06/10/2015	Michael Pitta

LM Start	0.00	Rating **	М	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Safety		39.7337	67°	39.733767 °		
пеш				-121.7719	15 °	-121.771915 °	
DWR ID	DWR_NA0060_9_t _ 2012_23						
	Action/Comments						

Inspector Comments: Hand rails are installed. Several rails have loose bolts.



View of handrails with loose bolts.

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels	Channels				End	
Item	Operation & Maintenance		се	39.7337	67 °	39.733767 °	
iteiii	Manual			-121.7719	15 °	-121.771915 °	
DWR ID	DWR_NA0	060_9_t _ 2013	_24				
	A = 1' = = 10 = = = = 1 =						

Action/Comments

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
M&T Ranch Overflow Structure	

Structure Rating	Α
Date of Inspection	06/29/2015
DWR Inspector	Bob Duffey
Accompanied By	Jason Copper Sutter Yard

Page 1 of 8

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/29/2015 06/29/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		1	
LM End	0.00	Issue Type +	Ма	Location *	WS		
Category		& Concrete I	Lined	GPS La	atitud	e/Longitude	
Calegory	Channels			Start		End	
Item	Photo Do	cumentation		39.6746	90°	39.674690 °	
item			-121.947010 °		-121.947010 °		
DWR ID	DWR_NA0	014_228_t _ 20	13_1				
		Action/	Comme	nts			

Photo 1 of 1: ST_2015_NA0060_228_1_20150827_00005.jpg



The structure location is highlighted and is shown in relation to the Sacramento River.

LM Start	0.00	Rating **	М	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		WS
Catagony	Category Structures & Concrete Lined Channels		GPS Latitude/Longitude			
Calegory			Start		End	
Item	Vegetation & Obstructions		39.6746	90°	39.674690 °	
iteiii				-121.9470	13 °	-121.947013 °
DWR ID	DWR_NA0	014_228_t _ 20	13_2			

Action/Comments

Inspector Comments: The vegetation should be sprayed back approximately 20 feet from both sides of the weir.

Photo 1 of 1 : ST_2015_NA0060_228_2_2015	50728_00003.jpg
South was the	
	en e
	The same of the sa
	06/29/2015

View of the vegetation that is next to the weir.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *	WS		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Itom	Item Shoaling / Sedimentation		39.6746	90 °	39.674690	0	
пеш				-121.9470	10°	-121.947010	0
DWR ID	DWR_NA0014_228_t _ 2013_3						
Action/Comments							

Inspector Comments: There is no shoaling or sedimentation present.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

Friday, August 28, 2015 11:35

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/29/2015 06/29/2015	Bob Duffey

LM Start	0.00	Rating **	М	Issue No.		4	
LM End	0.00	Issue Type +	Ма	Location *	WS		
Category Structures & Concrete Lined Channels			GPS La	atituc	le/Longitude		
				Start		End	
Item	Erosion /	Bank Caving		39.6687	89 °	39.668789°	
item				-121.9571	70°	-121.957170 °	
DWR ID	DWR_NA0	014_228_t _ 20	13_4				
Action/Comments							

Inspector Comments: The soil erosion on the upstream side of the weir needs repair.



View of the erosion of the material that was placed on the upstream side of the weir.

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Line				GPS Lat	ituc	de/Longitude	
Category	Channels			Start		End	
Item	Revetments		39.67469	o°	39.674690	0	
item				-121.94701	0 °	-121.947010	0
DWR ID	DWR_NA0	014_228_t _ 20	13_5				
			_				

Action/Comments

Inspector Comments: Existing riprap protection is properly maintained.

Nι	า Ph	not:	20

LM Start	0.00	Rating **	Α	Issue No.		6			
LM End	0.00	Issue Type +	Ма	Location *		WS			
Category	Structures & Concrete Lined Channels			GPS La	titud	le/Longitude			
				Start		End			
Item	Encroachments			39.67469	90 °	39.674690	0		
item				-121.9470	10°	-121.947010	0		
DWR ID	DWR_NA0								
Action/Comments									

Inspector Comments: There is no debris along the riprap.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/29/2015 06/29/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	7			
LM End	0.00	Issue Type +	Ma	Location *	WS			
Catagony	- 11 11 11 11 1	& Concrete I	_ined	GPS La	titud	le/Longitude		
Category	Channels			Start		End		
Item	Culverts: Inlets / Outlets			39.6746	90°	39.674690	0	
item				-121.9470	10°	-121.947010	0	
DWR ID	DWR_NA0	014_228_t _ 20	13_7					
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating ** Ν 8 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Culverts: Breaks / Holes / 39.674690° 39.674690° Item Cracks -121.947010° -121.947010 ° DWR ID DWR_NA0014_228_t _ 2013_8

Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ma Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Metal Pipes 39.674690° 39.674690° Item -121.947010 ° -121.947010 ° DWR ID DWR NA0014 228 t 2013 9

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure		Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/29/2015 06/29/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels					End	
Item	Trash Rad	cks		39.67469	90 °	39.674690 °	
пеш				-121.94701	0 °	-121.947010 °	
DWR ID	DWR_NA0	DWR_NA0014_228_t _ 2013_10					
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating ** Ν 11 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Flap Gates 39.674690° 39.674690° Item -121.947010° -121.947010 ° DWR ID DWR NA0014 228 t 2013 11 Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 12 0.00 Issue Type + Ma Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Sluice/Slide Gates 39.674690° 39.674690° Item -121.947010 ° -121.947010 ° DWR ID DWR NA0014 228 t 2013 12 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/29/2015 06/29/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *	WS		
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Electric Gate Operators			39.67469	90 °	39.674690°	
пеш				-121.9470	10°	-121.947010 °	
DWR ID	DWR_NA0	DWR_NA0014_228_t _ 2013_13					
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 14 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Manual Gate Operators 39.674690° 39.674690° Item -121.947010 ° -121.947010 ° DWR ID DWR_NA0014_228_t _ 2013_14

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.	15				
LM End	0.00	Issue Type +	Ма	Location *	WS				
Category	Structures	GPS Lat	ituc	le/Longitude					
Category	Channels			Start		End			
Concrete Surfaces			39.67469	o°	39.674690	٥			
item				-121.94701	o°	-121.947010	٥		
DWR ID	DWR_NA0	014_228_t _ 20	13_15						
Action/Comments									

Inspector Comments: There is no spalling or cracking at the site.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/29/2015 06/29/2015	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.		16		
LM End	0.00	Issue Type +	Ma	Location *		WS		
Category	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End		
Item	Concrete	Tilting / Settle	ment	39.6746	90°	39.674690	0	
пеш				-121.9470	10°	-121.947010	0	
DWR ID DWR_NA0014_228_t _ 2013_16								
	Action/Comments							

Inspector Comments: There are no significant areas of tilting at this site.

Rating ** Issue No. LM Start 0.00 Α 17 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Concrete Foundations 39.674690° 39.674690° Item -121.947010 ° -121.947010 ° DWR_NA0014_228_t _ 2013_17 DWR ID

Action/Comments

Inspector Comments: There is no erosion or undermining of the structure.

LM Start	0.00 Rating ** N			Issue No.		18	
LM End	0.00	Issue Type +	Ма	Location *		WS	
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Security F	encing		39.6746	90 °	39.674690	۰
пеш				-121.9470	10°	-121.947010	٥
DWR ID DWR_NA0014_228_t _ 2013_18							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/29/2015 06/29/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		19		
LM End	0.00	Issue Type +	Ma	Location *		WS		
Category	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End		
Item	Closure S	tructures		39.6746	90 °	39.674690	0	
пеш				-121.9470	10°	-121.947010	0	
DWR ID DWR_NA0014_228_t _ 2013_19								
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 20 0.00 Issue Type + Ма Location * WS LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 39.674690° 39.674690° Item -121.947010 ° -121.947010° DWR ID DWR_NA0014_228_t _ 2013_20 Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	0.00 Rating ** N				21		
LM End	0.00	Issue Type +	Ma	Location *		WS		
Structures & Concrete Lined				GPS Latitude/Longitude				
Category	Channels		Start		End			
Item	Other Met	allic Items		39.6746	90°	39.674690°		
пеш				-121.9470	10°	-121.947010 °		
DWR ID DWR_NA0014_228_t _ 2013_21								
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/29/2015 06/29/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels	Channels				End	
Item	Monolith .	Joints		39.67469	90 °	39.674690 °	
item				-121.9470	10°	-121.947010 °	
DWR ID DWR_NA0014_228_t _ 2013_22						·	
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *		WS	
Structures & Concrete Lined				GPS La	atitud	e/Longitude	
Calegory	Channels			Start		End	
Item	Safety			39.6746	90°	39.674690	٥
iteiii				-121.9470	10°	-121.947010	٥
DWR ID	DWR_NA0	014_228_t _ 20	13_23				

Action/Comments

Inspector Comments: Sutter Maintenance Yard has a safety program in place.

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ма	Location *		WS	
Category	GPS Latitude/Longitude						
Category	Channels			Start		End	
Item		& Maintenan	ce	39.67469	90 °	39.674690	0
Item	Manual			-121.9470°	10°	-121.947010	0
DWR ID DWR_NA0014_228_t _ 2013_24							
Action/Comments							

Inspector Comments: No O&M Manual containing operation and maintenance guidelines exists for this structure. Other documentation is being researched.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2015 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Middle Creek Pumping Plant	

Pumping Plant Rating	Α
Date of Inspection	07/21/2015
DWR Inspector	Pavel Kazi
Accompanied By	Bob Duffey Sutter Maintenance Yard (DWR)

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Pump Stations				GPS Latitude/Longitude		
Calegory	egory			Start E		End	
Item	Operating	Log		39.1423	00°	39.142300	0
пеш				-122.9023	50°	-122.902350	0
DWR ID	DWR ID DWR_NA0060_17_t _ 2012_1						
	Action/Comments						

Inspector Comments: The operation log was up to date and present at the pump station.

No Photos

Rating ** Issue No. LM Start 0.00 Α 2 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Start End Operation & Maintenance 39.142300° 39.142300° Item Manual -122.902350° -122.902350° DWR ID DWR_NA0060_17_t _ 2012_2

Action/Comments

Inspector Comments: The O&M manual was present at the pumping plant.



View of the O&M manual.

LM Start	0.00	Rating **	М	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			Pump Stations			le/Longitude	
Category	Category			Start		End	
Item	Plant Buil	ding		39.1423	00°	39.142300	٥
пеш	_			-122.9023	50°	-122.902350	0
DWR ID	DWR_NA0	060_17_t _ 201	2_3				
		A ation/	Camma	240			

Action/Comments

Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.

Photo 1 of 2 : ST_2015_NA0060_17_3_20150810_00019.jpg



View of the pumping plant.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	М	Issue No.		3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory	Category				Start		
Item	Plant Buil	ding		39.1423	00°	39.142300	0
пеш				-122.9023	50°	-122.902350	0
DWR ID DWR_NA0060_17_t _ 2012_3							
	Action/Comments						

Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.



View of the settlement next to the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.		4			
LM End	0.00	Issue Type +	Ma	Location *					
Category	Pump Sta	GPS Latitude/Longitude							
Calegory				Start		End			
Item	Communi	cations		39.1423	00 °	39.142300	0		
пеш				-122.9023	50°	-122.902350	0		
DWR ID	DWR ID DWR_NA0060_17_t _ 2012_4								
		A .: /	^						

Action/Comments

Inspector Comments: A cellular phone is available for the pump station operator.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	Pump Stations GPS Latitude/Longitude Start End			le/Longitude		
Category						End	
Item	Safety			39.14230	00°	39.142300°	
пеш				-122.90235	60°	-122.902350 °	
DWR ID	DWR_NA0060_17_t _ 2012_5						
	Action/Comments						

Inspector Comments: No safety hazard was present around the plant. All of the guard rails and fences were secured and in good condition.



Photo 1 of 1: ST_2015_NA0060_17_5_20150810_00021.jpg

View of the security fence and guard rails around the pumping plant.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

n En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions		GPS Latitude/Longitude			
Category						End	
Item	Cranes			39.14230	0 °	39.142300 °	
пеш				-122.90235	0°	-122.902350 °	
DWR ID	D DWR_NA0060_17_t _ 2013_6						
	Action/Comments						

Inspector Comments: A crane doesn't exist at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		7	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	Pump Stations			GPS Latitude/Longitu		
Calegory						End	
Item	Pumps			39.14230	00°	39.142300	0
пеш				-122.90235	50 °	-122.902350	0
DWR ID	DWR_NA0	060_17_t _ 201	2_7				

Action/Comments

Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 1 of 3: ST_2015_NA0060_17_7_20150810_00022.jpg



View of the pumps.

Photo 2 of 3: ST_2015_NA0060_17_7_20150810_00023.jpg



View of one of the pumps.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

A/W : Acceptable but Monitor & Maintain En : Enforcer

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Category				Start		End	
Item	Pumps			39.1423	00 °	39.142300 °	
item				-122.9023	50°	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_7							
		Action/	Commo	nte			

Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level.



View of bottom of a pump.

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Catagory Pump Stations				GPS Latitude/Longitude		
Calegory	Category					End
Item	Power			39.1423	00 °	39.142300 °
item				-122.9023	50°	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_8						
		Action/	Comme	nte		

Inspector Comments: The power source appeared to be reliable and safe.



View of the power source of the plant.

LM Start	0.00	Rating **	Ν	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Pump Stations				GPS Latitude/Longitude		
Category	Start			End			
Item	,	ngines, Fans	& Gear	39.1423	00 °	39.142300	0
пеш	Reducers			-122.9023	50 °	-122.902350	0
DWR ID DWR_NA0060_17_t _ 2012_10							
		Action/	Comme	nts			

Inspector Comments: There were no motors or fans present at this plant other than the pumps.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

aintain En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations				GPS Latitude/Longitude		
Category				Start		End
Item	Pump Co	ntrol Systems		39.1423	00°	39.142300 °
пеш				-122.9023	50°	-122.902350 °
DWR ID	DWR ID DWR_NA0060_17_t _ 2012_11					
		Action/	Comme	nts		

Inspector Comments: The pump control systems appeared to be operational and free of damage.



View of the pump control systems.

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category	tions	GPS Latitude/Longitude					
Category				Start		End	
Item	Sumps/W	et Well		39.142300°		39.142300 °	
item				-122.9023	50 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t _ 2013_12						
	Action/Comments						

Inspector Comments: Wet wells were clear of debris.



	LM Start	0.00	Rating **	Α	Issue No.		13	
	LM End	0.00	Issue Type +	Ma	Location *			
	Category	Pump Sta	tions		GPS Latitude/Longitude			
	Calegory				Start		End	
	Item	Trash Rad	cks		39.142300 ° 39.14230			
	пеш				-122.90235	0°	-122.902350 °	
	DWR ID DWR_NA0060_17_t _ 2012_13							
I	Action/Comments							

Inspector Comments: Trash racks appeared to be in good condition and free of debris.



View of the trash racks.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Category		Start		End			
Item	Trash Ral	res		39.14230	o°	39.142300 °	
пеш				-122.90235	o °	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2013_14							
		Action/	Comme	nts			

Inspector Comments: A trash rake doesn't exist at this location.

No Photos

Rating ** Issue No. LM Start 0.00 Α 15 Issue Type + 0.00 Ма Location * LM End Pump Stations GPS Latitude/Longitude Category Start End Sluice / Slide Gates 39.142300° 39.142300° Item -122.902350° -122.902350 ° DWR_NA0060_17_t _ 2013_15 DWR ID

Action/Comments

Inspector Comments: The slide gates appeared to be in a good working condition.



View of the slide gates.

LM Start	0.00	Rating **	N	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Category					Start		
Item	Electric G	ate Operators	;	39.1423	00°	39.142300	0
item				-122.9023	50 °	-122.902350	0
DWR ID	DWR_NA0	060_17_t _ 201	2_16				
		Action/	Comme	nts			

Inspector Comments: No electric gate operator was present in this plant.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

n En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	tions	GPS Latitude/Longitude				
Category				Start		End
Item	Manual G	ate Operators	i	39.1423	00°	39.142300 °
item				-122.9023	50°	-122.902350 °
DWR ID	WR ID DWR_NA0060_17_t _ 2012_17					
		Action/	Comme	nts		

Inspector Comments: The manual gate operators appeared to be in good working condition.

LM Start	0.00	Rating **	Α	Issue No.	17 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of one of the manual operators at the plant.

Photo 2 of 2: ST_2015_NA0060_17_17_20150810_00031.jpg



View of another manual gate operator at the plant.

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Long				
Category	Category			Start		End	
Other Metallic Items			39.14230	00°	39.142300 °		
				-122.9023	50°	-122.902350 °	
DWR ID	R ID DWR_NA0060_17_t _ 2012_18						
Action/Comments							
Inspector Comments: All other metallic parts appeared to be in good condition.							

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	Flap Gates		39.1423	00°	39.142300	0	
пеш	item			-122.9023	50°	-122.902350	0
DWR ID DWR_NA0060_17_t _ 2013_19							
Action/Comments							

Inspector Comments: Flap gates don't exist at this location. Instead a backflow prevention device is used to perform similar task as the flap gates.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 20 Issue Type + 0.00 Ма Location * LM End Pump Stations GPS Latitude/Longitude Category Start End Closure Structures 39.142300° 39.142300° Item -122.902350° -122.902350° DWR ID DWR_NA0060_17_t _ 2012_20

Action/Comments

Inspector Comments: No closure structure exists in this plant.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Catagory Pump Stations			GPS Latitude/Longitude			
Calegory	Ty .			Start		End	
Item	Security Fencing			39.1423	00°	39.142300 °	
пеш				-122.9023	50°	-122.902350 °	
DWR ID DWR_NA0060_17_t _ 2012_21							
Action/Comments							

Inspector Comments: Security fencing appeared to be in good condition.

Photo 1 of 1 : ST_2015_NA0060_17_21_20150810_00032.jpg



View of the security fencing around the plant.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/21/2015 07/21/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End
Item	Intake and Discharge Pipes			39.14230	00°	39.142300 °
пеш					50°	-122.902350 °
DWR ID DWR_NA0060_17_t _ 2012_22						
Action/Comments						
Language Community. The miner appropriate having and condition						

Inspector Comments: The pipes appeared to be in good working condition.



View of the intake pipes.

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Moulton Weir	

Structure Rating	Α
Date of Inspection	08/04/2015
DWR Inspector	Michael Pitta
Accompanied By	

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Ν	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Documentation			39.3382	42 °	39.338242 °
пеш				-122.0220	73 °	-122.022073 °
DWR ID DWR_NA0060_4_t _ 2012_1						
		Action/	Comme	nts		

Photo 1 of 4 : \$1_2015_NA0060_4_1_201	150810_00005.jp
Delivery of the Parket of the	Secretary of the second
The state of the s	
	V. B. T. T.
	08/04/2015
打造在一边 1	0010116010

View of the weir facing the left bank from the upstream side of the structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4: ST_2015_NA0060_4_1_20150810_00006.jpg



View of the right bank of the weir facing downstream. Photo 3 of 4: ST_2015_NA0060_4_1_20150810_00007.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Upstream view from the weir.

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category	& Concrete I	GPS La	tituc	le/Longitude		
Calegory	Channels			Start		End
Item	Photo Documentation			39.33824	12 °	39.338242 °
пеш				-122.022073 ° -122.02207		-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_1			
		Action/	Comme	nts		



Downstream view from the weir.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS Latitude/Longitude Start End		
Calegory	Channels			Start	Cocation * GPS Latitude/Longitud Start End 39.338242 ° 39.338 -122.022073 ° -122.022	End
Item	Vegetatio	n & Obstruction	ons	39.33824	42 °	39.338242 °
пеш				-122.02207	73 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_2			
		A ation /	Camma	240		

Action/Comments

Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	de/Longitude		
Calegory	Channels			Start		End	
Item	Shoaling /	Sedimentation	on	39.3382	42 °	39.338242 °	
iteiii				-122.0220	73 °	-122.022073 °	
DWR ID	DWR_NA0	060_4_t _ 2012	_3				
		Action/	Comme	nts			

Inspector Comments: No shoaling or sedimentation present.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels		Start	End			
Item	Erosion /	Bank Caving		39.33824	12 °	39.338242	0
пеш				-122.02207	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_4				
		A ation/	Camma	-t-			

Action/Comments Inspector Comments: No active erosion or bank caving observed on the

landward or on the riverward side of the structure.

No Photos

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Revetments 39.338242 ° 39.338242° Item -122.022073 ° -122.022073 ° DWR ID DWR NA0060 4 t 2012 5

Action/Comments

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

No Photos

Rating ** Issue No. LM Start 0.00 6 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Encroachments 39.338242 ° 39.338242 ° Item -122.022073 ° -122.022073 ° DWR ID DWR NA0060 4 t 2012 6

Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

No Photos

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	7			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Category	Channels			Start		End		
Item	Culverts:	Inlets / Outlets	S	39.33824	2°	39.338242 °		
пеш				-122.02207	3°	-122.022073 °		
DWR ID	DWR_NA0	060_4_t _ 2012	_7					
		Action/	Comme	nte				

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Culverts: Breaks / Holes / 39.338242 ° 39.338242 ° Item Cracks -122.022073 ° -122.022073 ° DWR_NA0060_4_t _ 2012_8 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

							_
LM Start	0.00	Rating **	N	Issue No.		9	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start	Latitude/Longitude End 3242 39.3382	End	
Item	Metal Pip	es		39.3382	42 °	39.338242	0
item				-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_9				
		Action/	Comme	nts			

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined		GPS Latitude/Longitude					
Calegory	Channels			Start		End	
Item	Trash Rad	cks		39.33824	12 °	39.338242	0
пеш				-122.02207	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_10				
		Action/	Comme	nte			

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 11 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Flap Gates 39.338242 ° 39.338242 ° Item -122.022073 ° -122.022073 ° DWR ID DWR NA0060 4 t 2012 11

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		12	
LM End	0.00	Issue Type +	Ма	Location *			
Category		& Concrete I	_ined	GPS La	tituc	de/Longitude	
Category Channels					Start		
Item	Sluice/Slic	de Gates		39.33824	2 °	39.338242	٥
пеш				-122.02207	'3 °	-122.022073	٥
DWR ID	DWR_NA0	060_4_t _ 2012	_12				
		Action/	Commer	nts			

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	GPS Latitude/Longitude			
Category	Channels			Start End		
Item	Electric G	ate Operators	3	39.33824	l2°	39.338242 °
пеш				-122.02207	'3 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_13		·	
		Action/	Comme	nts		

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 14 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Manual Gate Operators 39.338242 ° 39.338242 ° Item -122.022073 ° -122.022073 ° DWR ID DWR NA0060 4 t 2012 14

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.		15	
LM End	0.00	Issue Type +	Ма	Location *			
Category	- 11 11 11 11 1	& Concrete I	_ined	GPS La	tituc	le/Longitude	
Category	Channels			Start		End	
Item	Concrete	Surfaces		39.33824	2°	39.338242	٥
пеш				-122.02207	'3 °	-122.022073	٥
DWR ID	DWR_NA0	060_4_t _ 2012	_15				
		Action/	Commer	nts			

Inspector Comments: Negligible spalling, scaling or cracking.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Concrete	Tilting / Settle	ment	39.3382	42 °	39.338242	0
пеш				-122.0220	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_16				
	Action/Comments						

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.

No Photos

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete	_ined	GPS La	titud	le/Longitude
Calegory	Channels			Start End		End
Item	Concrete	Foundations		39.3382	42 °	39.338242 °
пеш				-122.0220	73 °	-122.022073 °
DWR ID	DWR_NA0	060_4_t _ 2012	_17			·

Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category		Structures & Concrete Lined Channels		GPS Latitude/Longitude		le/Longitude	
Category	Channels		Start			End	
Item	Security F	encing		39.33824	42 °	39.338242	0
пеш				-122.02207	73 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2012	_18				
		Action/	Comme	nte			

Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	19			
LM End	0.00	Issue Type +	Ma	Location *				
Catagory	Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End		
Item	Closure S	tructures		39.33824	12 °	39.338242 °		
пеш				-122.02207	73 °	-122.022073 °		
DWR ID	DWR_NA0	060_4_t _ 2012	_19					
	Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating ** Ν 20 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 39.338242 ° 39.338242° Item -122.022073 ° -122.022073 ° DWR ID DWR NA0060 4 t 2012 20 Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 21 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 39.338242 ° 39.338242 ° Item -122.022073 ° -122.022073 ° DWR ID DWR NA0060 4 t 2012 21 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Category				Start		End	
Itom	Monolith Joints			39.33824	12 °	39.338242 °	
Item				-122.02207	73 °	-122.022073 °	
DWR ID	R ID DWR_NA0060_4_t _ 2012_22						
Action/Comments							

Inspector Comments: The monolith joint material is in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Safety			39.33824	12 °	39.338242 °		
ILEIII				-122.02207	73 °	-122.022073 °		
DWR ID	DWR_NA0	060_4_t _ 2012	_23					

Action/Comments

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.

Photo 1 of 1: x_2015_NA0060_4_23_20150820_00009.jpg



View of the safety railing installed on the weir.

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Operation & Maintenance Manual			39.33824	2 °	39.338242	٥
				-122.02207	'3 °	-122.022073	0
DWR ID	DWR_NA0	060_4_t _ 2013	_24	'			
Action/Comments							

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Nelson Bend

Structure Rating	Α
Date of Inspection	08/04/2015
DWR Inspector	Michael Pitta
Accompanied By	

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Photo Documentation			38.89550	00°	38.887450 °	
пеш				-121.61695	60°	-121.615330 °	
DWR ID	DWR_NA0060_54_t _ 2012_1						
Action/Comments							

Inspector Comments: North end 38.89550 -121.61695, South end 38.88745 -121.61533

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



View of the weir facing upstream.

Photo 2 of 3: ST_2015_NA0060_54_1_20150528_00002.jpg



This photo was taken looking downstream from the weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the upstream side of the weir.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

A/W : Acceptable but Monitor & Maintain En : Enforcem

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	М	Issue No.	2			
LM End	0.00	Issue Type +	Ma	Location *				
Cotogony		& Concrete I	Lined	GPS Lat	tud	le/Longitude		
Category	Channels			Start		End		
Item	Vegetatio	n & Obstruction	ons	38.89550	°	38.887450		
пеш					°	-121.615330		
DWR ID	DWR_NA0060_54_t _ 2012_2							
	Action/Comments							

Inspector Comments: Minimal, scattered obstructions or vegetation. The vegetation should be cleared and trees trimmed up. May impede flow in a high water event.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



View of the obstructions facing the right bank.

Photo 2 of 2: x_2015_NA0060_54_2_20150820_00009.jpg



View of the obstructions facing the left bank.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category Changels				GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Shoaling / Sedimentation			38.8955	° 00	38.887450	0	
пеш				-121.6169	50°	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_3				
			_				

Action/Comments

Inspector Comments: No shoaling or sedimentation present.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS Lat	ituc	le/Longitude	
Category	Channels			Start		End	
Item	Erosion /	Bank Caving		38.89550	0 °	38.887450 °	
пеш				-121.61695	0 °	-121.615330 °	
DWR ID	DWR_NA0060_54_t _ 2012_4						
Action/Comments							

Inspector Comments: No active erosion or bank caving observed on the landward or on the waterside of the levee / channel.

Rating ** Issue No. LM Start 0.00 Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Revetments 38.895500° 38.887450° Item -121.616950 ° -121.615330° DWR ID DWR_NA0060_54_t _ 2012_5

Action/Comments

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

LM Start	0.00	Rating **	Α	Issue No.	6			
LM End	0.00	Issue Type +	Ma	Location *				
Category		& Concrete I	_ined	GPS La	tituc	le/Longitude		
Category	Channels			Start		End		
Encroachments				38.89550	0 °	38.887450	0	
Item				-121.61695	0°	-121.615330	0	
DWR ID	DWR_NA0	060_54_t _ 201	2_6					
Action/Comments								

Inspector Comments: Minor trash, debris, excavation, structures, or other obstructions present within the easement.

No Photos

No Photos

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels				GPS Latitude/Longitude			
				Start		End	
Item	Culverts:	Inlets / Outlets	S	38.89550	0 °	38.887450 °	
пеш				-121.61695	0°	-121.615330 °	
DWR ID	DWR_NA0060_54_t _ 2012_7						
Action/Comments							

Inspector Comments: Item does not exist on this structure

Issue No. LM Start 0.00 Rating ** Ν 8 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Culverts: Breaks / Holes / 38.895500° 38.887450° Item Cracks -121.616950° -121.615330° DWR ID DWR_NA0060_54_t _ 2012_8 Action/Comments

Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 Ν 9 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Metal Pipes 38.895500° 38.887450° Item -121.615330° -121.616950 ° DWR ID DWR NA0060 54 t 2012 9 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A: Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Trash Racks		38.89550	00°	38.887450 °		
пеш				-121.61695	0°	-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 201	2_10				
Action/Comments							

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category		s & Concrete I	Lined	GPS La	tituc	de/Longitude	
Calegory	Channels			Start		End	
Item	Flap Gates			38.89550	0 °	38.887450	0
item				-121.61695	° 0	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_11				

Action/Comments

Inspector Comments: Item does not exist on this structure.

No	Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.	12			
LM End	0.00	Issue Type +	Ma	Location *				
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude					
			Start		End			
Item	Sluice/Slic	de Gates		38.8955	00°	38.887450 °		
item				-121.6169	50°	-121.615330 °		
DWR ID	DWR_NA0	060_54_t _ 201	2_12					
	Action/Comments							

Inspector Comments: Item does not exist on this structure.

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Electric G	ate Operators	3	38.89550	00°	38.887450 °	
пеш				-121.61695	0°	-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 201	2_13				
		Action/	Comme	nts			

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Channels Channels			Start		End		
Item	Manual G	ate Operators	;	38.8955	00°	38.887450	0
пеш				-121.6169	50 °	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_14				
		Action/	Comme	nts			

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		15	
LM End	0.00	Issue Type +	Ма	Location *			
Category Structures & Concrete Lined Channels				GPS Lat	itud	e/Longitude	
Category	Channels			Start		End	
Item	Concrete Surfaces			38.89550	0 °	38.887450	٥
пеш		-121.616950 ° -12		GPS Latitude/Li Start 38.895500 ° -121.616950 ° -	-121.615330	٥	
DWR ID	DWR_NA0	060_54_t _ 201	2_15				
		Action/	Commer	nts			

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Concrete	Tilting / Settle	ment	38.89550	0°	38.887450 °	
пеш				-121.61695	0°	-121.615330 °	
DWR ID	DWR_NA0	060_54_t _ 201	2_16				
		Action/	Comme	nts			

Inspector Comments: Item does not exist on this structure.

LM Start	0.00	Rating **	N	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category Channels			Start		End		
Itom	Concrete	Foundations		38.8955	° 00	38.887450	٥
Item				-121.6169	50°	-121.615330	٥
DWR ID	DWR_NA0	060_54_t _ 201	2_17				

Action/Comments Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 Ν 18 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Security Fencing 38.895500° 38.887450° Item -121.616950 ° -121.615330 ° DWR ID DWR NA0060 54 t 2012 18 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	titud	le/Longitude		
Category	Category Channels			Start		End	
Item	Closure S	tructures		38.89550	0 °	38.887450	۰
пеш				-121.61695	0°	-121.615330	0
DWR ID	DWR_NA0	060_54_t _ 201	2_19				
		Action/	'Commei	nts			

Inspector Comments: Item does not exist on this structure.

Issue No. LM Start 0.00 Rating ** Ν 20 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 38.895500° 38.887450° Item -121.616950° -121.615330° DWR ID DWR NA0060 54 t 2012 20

Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 21 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 38.895500° 38.887450° Item -121.615330° -121.616950 ° DWR ID DWR NA0060 54 t 2012 21 Action/Comments

Inspector Comments: Item does not exist on this structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Monolith .	Monolith Joints			o °	38.887450 °	
пеш	item			-121.61695	o °	-121.615330 °	
DWR ID	DWR_NA0060_54_t _ 2012_22						
Action/Comments							

Inspector Comments: Item does not exist on this structure.

Rating ** Issue No. LM Start 0.00 Α 23 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Safety 38.895500° 38.887450° Item -121.616950° -121.615330° DWR ID DWR NA0060 54 t 2012 23

No Photos

No Photos

Action/Comments

Inspector Comments: No hazards present.

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Channels			Start		End		
Item	Operation & Maintenance Manual			38.8955	00°	38.887450 °	
пеш				-121.6169	50°	-121.615330 °	
DWR ID	DWR ID DWR_NA0060_54_t _ 2013_24						
Action/Comments							

No Photos

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2015 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 1	

Pumping Plant Rating	Α
Date of Inspection	07/09/2015
DWR Inspector	Maksim Khashchuk
Accompanied By	Gregg Ahlers DWR - Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		1	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations				GPS Latitude/Longitude		
Category			Start		End		
Item	Operating Log			38.9318	15 °	38.931815 °	
item				-121.6343	31 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_1							
Action/Comments							

Inspector Comments: The operating log is kept on site.



View of the operating log.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Item	Operation & Maintenance Manual			38.9318	15 °	38.931815 °
item				-121.63433	31 °	-121.634331 °
DWR ID	DWR ID DWR_NA0060_21_t _ 2012_2					
		A otion/	Commo	nto.		

Action/Comments

Inspector Comments: The O & M manual is currently being kept at the Sutter Maintenance yard during the pump plant reconstruction. The computer on site has a digital copy as well.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Cotogon/ Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End	
Item	Plant Building			38.93181	5°	38.931815	۰
пеш				-121.63433	1 °	-121.634331	0
DWR ID	DWR ID DWR_NA0060_21_t _ 2012_3						
Action/Comments							

Inspector Comments: Plant building is mostly complete and appears to be in good working order. The project is currently under construction.



View of plant building under construction.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

A/W : Acceptable but Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations				GPS Latitude/Longitude			
Category	tegory			Start		End	
Item	Communications			38.9318	15 °	38.931815 °	
item				-121.6343	31 °	-121.634331 °	
DWR ID	DWR ID DWR_NA0060_21_t _ 2012_4						
Action/Comments							

Inspector Comments: Cell phones and two-way radios are available to pump station operators. The remote control operatin system (SCADA) is currently being tested and should be ready by the start of flood season.



View of the telephone in the operating room.

LM Start	0.00	Rating **	М	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Safety			38.9318	15 °	38.931815	0
пеш				-121.6343	31 °	-121.634331	0
DWR ID	ID DWR_NA0060_21_t _ 2012_5						

Action/Comments

Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear). There is missing safety railing above the inlet grates on the LS.

LM Start	0.00	Rating **	М	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of the fire extinguisher and emergency shutoff switch.

Photo 2 of 2: ST_2015_NA0060_21_5_20150717_00023.jpg



View of the missing railing at the inlet grates.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		6		
LM End	0.00	Issue Type +	Ма	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Cranes			38.93181	5°	38.931815 °		
пеш				-121.63433	1 °	-121.634331 °		
DWR ID DWR_NA0060_21_t _ 2012_6								
	Action/Comments							

Inspector Comments: Cranes are not present at this site.

No Photos

Rating ** Issue No. LM Start 0.00 Α 7 Issue Type + 0.00 Ма Location * LM End Pump Stations GPS Latitude/Longitude Category Start End Pumps 38.931815° 38.931815° Item -121.634331 ° -121.634331 ° DWR ID DWR NA0060 21 t 2012 7

Action/Comments

Inspector Comments: Pumps appear to be properly maintained and in working condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Sta		GPS Latitude/Longitude			
Calegory			Start		End	
Item	Power			38.9318	15 °	38.931815 °
item				-121.6343	31 °	-121.634331 °
DWR ID	DWR_NA0060_21_t _ 2012_8					

Action/Comments

Inspector Comments: The structure is on the grid with emergency backup generator.



View of the emergency backup generator.

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	10			
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory						End		
Item		ngines, Fans	& Gear	38.9318	15 °	38.931815 °		
пеш	Reducers			-121.6343	31 °	-121.634331 °		
DWR ID DWR_NA0060_21_t _ 2012_10								
Action/Comments								

Inspector Comments: These items appear to be maintained and in operating condition.



Photo shows pump motors, which appear to be in operating condition.

LM Start	0.00	Rating **	Α	Issue No.	11				
LM End	0.00	Issue Type +	Ma	Location *					
Pump Stations				GPS Latitude/Longitude					
Category			Start		End				
Pump Control Systems				38.9318	15 °	38.931815 °			
Item			-121.6343	31 °	-121.634331 °				
DWR ID DWR_NA0060_21_t _ 2012_11									
	Action/Comments								

Inspector Comments: Pump control systems on site are new and appear to be in working order.

Photo 1 of 2: ST_2015_NA0060_21_11_20150717_00019.jpg
W/05/2015

View of the control room.

LM Start	0.00	Rating **	Α	Issue No.	11 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



View of the control computer.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		12		
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Sumps/W	et Well		38.9318	15 °	38.931815 °		
пеш				-121.6343	31 °	-121.634331 °		
DWR ID DWR_NA0060_21_t _ 2012_12								
Action/Comments								

Inspector Comments: Sumps are clear and free of debris.



View of the wet well.

LM Start	0.00	Rating **	Α	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Category	GPS Latitude/Longitude						
Calegory			Start		End		
Item	Trash Rad	cks		38.9318	15 °	38.931815	
пеш				-121.6343	31 °	-121.634331 '	
DWR ID DWR_NA0060_21_t _ 2012_13							

Action/Comments

Inspector Comments: No debris present on trash racks, they appear to be in good condition.



Photo shows properly maintained trash racks. Note the missing guard rail for fall protection - replace in kind.

LM Start	0.00	Rating **	N	Issue No.		14			
LM End	0.00	Issue Type +	Ma	Location *					
Pump Stations			GPS Latitude/Longitude						
Calegory	Category			Start		End			
Item	Trash Rakes			38.93181	15 °	38.931815 °			
item	item				31 °	-121.634331 °			
DWR ID	DWR ID DWR_NA0060_21_t _ 2012_14								
Action/Comments									
Inspector (Inspector Comments: No trash rake at this site.								

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00 Rating ** A			Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Category				Start		End	
Item	Sluice / Slide Gates			38.93181	5 °	38.931815 °	
-121.6343					81 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_15							
Action/Comments							

Inspector Comments: Sluice gates appear to be in good working order.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 16 0.00 Issue Type + Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Start End Electric Gate Operators 38.931815° 38.931815° Item -121.634331 ° -121.634331 ° DWR ID DWR_NA0060_21_t _ 2012_16

Action/Comments

Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.

No Photos

LM Start	0.00 Rating ** A			Issue No.		17
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Category				Start		End
Item	Manual Gate Operators			38.9318	15 °	38.931815 °
item				-121.6343	31 °	-121.634331 °
DWR ID	DWR_NA0060_21_t _ 2012_17					

Action/Comments

Inspector Comments: Manual gate operators appear to be in good working condition.

Photo 1 of 1: ST_2015_NA0060_21_17_20150717_00024.jpg



Photo shows sluice gate operators. Note: Operators can be operated either mechanically or manually.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End	
Itom	Other Metallic Items			38.93181	5 °	38.931815 °	
-121.634331 ° -121.63					-121.634331 °		
DWR ID DWR_NA0060_21_t _ 2012_18							
Action/Comments							

Inspector Comments: These items appear to be in good condition and should not prevent the structure from performing as intended.

No Photos

Rating ** Issue No. LM Start 0.00 Α 19 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Start End Flap Gates 38.931815° 38.931815° Item -121.634331 ° -121.634331 ° DWR ID DWR NA0060 21 t 2012 19

Action/Comments

Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.



Photo shows flap gates and concrete outfall structure.

LM Start	0.00 Rating ** N			Issue No.		20
LM End	0.00	Issue Type +	Ma	Location *		
Category	Catagori Pump Stations			GPS Latitude/Longitude		
Calegory	ly			Start		End
Item	Closure Structures			38.93181	5 °	38.931815 °
item				-121.63433	1 °	-121.634331 °
DWR ID DWR_NA0060_21_t _ 2012_20						
Action/Comments						

Inspector Comments: No closure structure present at this location.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure		Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00 Rating ** A			Issue No.		21	
LM End	0.00	Issue Type +	Ма	Location *			
Pump Stations			GPS Latitude/Longitude				
Category				Start		End	
Itom	Security Fencing			38.9318	15 °	38.931815 °	
Item -121.63					31 °	-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_21							
Action/Comments							

Inspector Comments: Site is currently secured by a masonry brick wall.

Photo 1 of 1: ST_2015_NA0060_21_21_20150717_00026.jpg



Photo shows masonry brick wall which encloses the pump plant.

LM Start	0.00 Rating ** A			Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations				GPS Latitude/Longitude			
Category				Start Er		End	
Item	Intake and Discharge Pipes			38.9318 ⁻	15 °	38.931815 °	
						-121.634331 °	
DWR ID DWR_NA0060_21_t _ 2012_22							
Action/Comments							

Inspector Comments: No visible deficiencies observed in the pipe's

LM Start	0.00	Rating **	Α	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

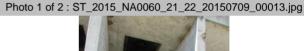




Photo shows pump intake pipe, typical.

Photo 2 of 2: ST_2015_NA0060_21_22_20150717_00027.jpg



View of the intake wells.

* Location LS : Land Side CR : Crown

condition.

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2015 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 2	

Pumping Plant Rating	A
Date of Inspection	07/09/2015
DWR Inspector	Maksim Khashchuk
Accompanied By	Gregg Ahlers DWR - Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End
Item	Operating	Log		39.0264	49 °	39.026449 °
item				-121.7269	37 °	-121.726937 °
DWR ID	DWR_NA0	WR_NA0060_22_t _ 2012_1				
	Action/Comments					

Inspector Comments: Operation log is located at the site.



View of the operating log.

LM Start	0.00	Rating **	Α	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Pump Stations			GPS Latitude/Longitude		
Calegory						End
Item		& Maintenan	ce	39.0264	49 °	39.026449 °
iteiii	Manual			-121.7269	37 °	-121.726937 °
DWR ID	DWR_NA0060_22_t _ 2012_2					
	Action/Comments					

Inspector Comments: O & M Manual is not at the site due to construction; O & M manual is being kept at Sutter Yard.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Category			Start		End		
Item	Plant Buil	ding		39.0264	49 °	39.026449	0
пеш				-121.7269	37 °	-121.726937	0
DWR ID	DWR_NA0	060_22_t _ 201	2_3				
		Action/	Comme	nts			

Inspector Comments: Plant building is currently under construction. Minor concrete spalling has been noted but it should not prevent the structure from performing as intended.

Photo 1 of 2 : ST_2015_NA0060_22_3_20150720_00016.jpg



View of the concrete spalling and damaged grate.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS La	tituc	le/Longitude
Calegory			Start		End	
Item	Plant Buil	ding		39.0264	19°	39.026449 °
пеш				-121.72693	37 °	-121.726937 °
DWR ID	DWR_NA0	060_22_t _ 201	2_3			
	Action/Comments					

Inspector Comments: Plant building is currently under construction. Minor concrete spalling has been noted but it should not prevent the structure from performing as intended.

Photo 2 of 2: ST_2015_NA0060_22_3_20150720_00017.jpg



View of the exposed rebar.

LM Start	0.00	Rating ** A		Issue No.		4	
LM End	0.00	Issue Type + Ma		Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory						End	
Item	Communi	cations		39.0264	49 °	39.026449	0
пеш			-121.7269	37 °	-121.726937	0	
DWR ID	DWR_NA0	060_22_t _ 201	2_4				

Action/Comments

Inspector Comments: Operator has two-way radio and celluar phone available to them. The remote control system is currently being tested and should be ready by the start of flood season.



View of the on-site telephone.

LM Start	0.00	Rating **	Α	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS Lat	ituc	le/Longitude
Calegory				Start		End
Item	Safety			39.02644	9 °	39.026449°
item				-121.72693	7 °	-121.726937 °
DWR ID	DWR_NA0	060_22_t _ 201	2_5			·
	Action/Commants					

Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear). Some of the hazards may include moving equipment.



View of the emergency shutoff switch and fire extinguisher.

Location LS: Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure		Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plan	No. 2		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Cranes			39.0264	49 °	39.026449	0
пеш				-121.7269	37 °	-121.726937	0
DWR ID	DWR_NA0	060_22_t _ 201	2_6				
	Action/Comments						

Inspector Comments: Cranes are not present at this site.

No Photos

Rating ** Issue No. LM Start 0.00 Α 7 Issue Type + 0.00 Ма Location * LM End Pump Stations GPS Latitude/Longitude Category Start End Pumps 39.026449° 39.026449° Item -121.726937 ° -121.726937 ° DWR ID DWR NA0060 22 t 2012 7

Action/Comments

Inspector Comments: Pumps appear to be in good working order.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	8		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Power			39.0264	49 °	39.026449 °	
item				-121.7269	37°	-121.726937 °	
DWR ID	DWR_NA0	060_22_t _ 201	2_8			·	
	Action/Comments						

Inspector Comments: The structure is on the grid with emergency backup generator.

Photo 1 of 2: ST_2015_NA0060_22_8_20150720_00019.jpg



View of the emergency backup generator fuel tank.

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		8 (cont)		
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Power			39.0264	49 °	39.026449 °		
item				-121.7269	37 °	-121.726937 °		
DWR ID	DWR_NA0	0060_22_t _ 2012_8						
	Action/Comments							

Inspector Comments: The structure is on the grid with emergency backup generator.



View of the emergency backup generator.

LM Start	0.00	Rating **	Α	Issue No.		10	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory			Start		End		
Item		ngines, Fans	& Gear	39.0264	49 °	39.026449	٥
item	Reducers			-121.7269	37 °	-121.726937	٥
DWR ID	DWR_NA0060_22_t _ 2012_10						
		Action/	Comme	nts			

Inspector Comments: These items appear to be maintained and in operating condition.



View of the pump motors.

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	0.00	Issue Type +	Ма	Location *			
Category	tions	GPS Latitude/Longitude					
Category				Start End			
Item	Pump Cor	ntrol Systems		39.0264	49 °	39.026449	
Item				-121.7269	37°	-121.726937 °	
DWR ID DWR_NA0060_22_t _ 2012_11							
	Action/Comments						

Inspector Comments: Pump control systems on site are new and appear to be in working order.



View of the pump control computer.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		11 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End	
Item	Pump Co	ntrol Systems		39.0264	49 °	39.026449
пеш				-121.7269	37 °	-121.726937
DWR ID	DWR_NA0	060_22_t _ 2012_11				
		Action/	Comme	nts		

Inspector Comments: Pump control systems on site are new and appear to be in working order.

Photo 2 of 2: ST_2015_NA0060_22_11_20150720_00023.jpg



View of the manual electrical pump controls.

LM Start	0.00	Rating **	Α	Issue No.		12	
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory				Start		End	
Item	Sumps/W	et Well		39.02644	9°	39.026449	0
iteiii				-121.72693	87 °	-121.726937	0
DWR ID DWR_NA0060_22_t _ 2012_12							

Action/Comments

Inspector Comments: Vegetation noted in one (of six) sumps, but this does not appear to be enough to inhibit pump operation.



Photo shows one sump with vegetation present.

LM Start	0.00	Rating **	Α	Issue No.		13	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Sta	tions	GPS Latitude			le/Longitude	
Category				Start End			
Item	Trash Rad	cks		39.0264	49 °	39.026449 °	
item				-121.7269	37°	-121.726937 °	
DWR ID	DWR_NA0	060_22_t _ 201	2_13				
	Action/Comments						

Inspector Comments: Trash rack is secure and free of debris.



View of the trash racks.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions	GPS Latitude/Longitude				
Calegory				Start		End	
Item	Trash Ral	ces		39.0264	49°	39.026449	0
пеш				-121.7269	37°	-121.726937	0
DWR ID	DWR_NA0	060_22_t _ 201	2_14				
		Action/	Comme	nts			

Inspector Comments: No trash rake at this site.

No Photos

Issue No. LM Start 0.00 Rating ** Α 15 Issue Type + Location * LM End 0.00 Ma **Pump Stations** GPS Latitude/Longitude Category Start End Sluice / Slide Gates 39.026449° 39.026449° Item -121.726937 ° -121.726937 ° DWR NA0060 22 t 2012 15 DWR ID

Action/Comments

Inspector Comments: Sluice gates appear to be properly maintained and operational.

No Photos

Rating ** Issue No. LM Start 0.00 Ν 16 Issue Type + LM End 0.00 Ma Location * **Pump Stations** GPS Latitude/Longitude Category End Start Electric Gate Operators 39.026449° 39.026449° Item -121.726937° -121.726937 ° DWR ID DWR NA0060 22 t 2012 16 Action/Comments

Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are not present at the site during construction.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		17
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory				Start		End
Item	Manual G	ate Operators	;	39.0264	49°	39.026449 °
item				-121.7269	37°	-121.726937 °
DWR ID	DWR_NA0	060_22_t _ 2012_17				
		Action/	Comme	nts		

Inspector Comments: Manual gate operators appear to be in good working condition.

Photo 1 of 1: ST_2015_NA0060_22_17_20150720_00025.jpg



Photo shows controls for sluice gates.

LM Start	0.00	Rating **	Α	Issue No. 18		18
LM End	0.00	Issue Type +	Ма	Location *		
Pump Stations				GPS Latitude/Longitude		
Category			Start		End	
Item	Other Met	tallic Items		39.0264	49 °	39.026449 °
item				-121.7269	37 °	-121.726937 °
DWR ID DWR_NA0060_22_t _ 2012_18						
		Action/	Comme	nts		

Inspector Comments: All other metal parts that were visible are corrosion protected.



Another view of the damaged grate.

LM Start	0.00	Rating **	Α	Issue No.		19
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Category		Start		End		
Item	Flap Gate	s		39.0264	49 °	39.026449
Item			-121.726937 °		-121.726937	
DWR ID	R ID DWR_NA0060_22_t _ 2012_19					
Action/Comments						

Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.



View of the flap gates.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

A/W: Acceptable but Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Category		Start		End			
Item	Closure Structures		39.0264	49 °	39.026449	0	
item		-121.7269	37°	-121.726937	0		
DWR ID	DWR_NA0	060_22_t _ 201	2_20				
Action/Comments							

Inspector Comments: No closure structure present at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		21
LM End	0.00	Issue Type +	Ма	Location *		
Pump Stations			GPS Latitude/Longitude			
Category			Start		End	
Itom	Item Security Fencing			39.0264	49 °	39.026449 °
item				-121.7269	37°	-121.726937 °
DWR ID	DWR_NA0	060_22_t _ 201:	2_21			·

Action/Comments

Inspector Comments: Site is currently secured by a masonry brick wall.

Photo 1 of 1: ST_2015_NA0060_22_21_20150720_00029.jpg



Photo shows masonry block wall which encloses the site.

LM Start	0.00	Rating **	Α	Issue No.	22	
LM End	0.00	Issue Type +	Ма	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Category		Start		End		
Intake and Discharge Pipes		39.0264	9°	39.026449 °		
пеш				-121.72693	87 °	-121.726937 °
DWR ID	DWR_NA0060_22_t _ 2012_22					
Action/Comments						

Inspector Comments: No visible deficiencies observed in the pipe's condition.



View of the intake structure.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected : Corrected

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		22 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations			GPS Latitude/Longitude			
Category			Start		End	
Item	Intake and Discharge Pipes			39.0264	49 °	39.026449 °
item			-121.7269	37°	-121.726937 °	
DWR ID DWR_NA0060_22_t _ 2012_22						
Action/Comments						
Inspector Comments: No visible deficiencies observed in the nine's						

Inspector Comments: No visible deficiencies observed in the pipe's condition.



Closer view of the sump wells.

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2015 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant	
Sutter Bypass Pumping Plant No. 3	

Pumping Plant Rating	Α
Date of Inspection	07/09/2015
DWR Inspector	Maksim Khashchuk
Accompanied By	Gregg Ahlers DWR - Sutter Maintenance Yard

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Category		Start		End		
Itom	Operating	Log		39.1200	96 °	39.120096°
item	Item ' 5 5			-121.7792	34 °	-121.779234°
DWR ID	DWR ID DWR_NA0060_23_t _ 2012_1					
Action/Comments						

Inspector Comments: Operation log is at the site.



View of the Operating Log.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations			GPS Latitude/Longitude				
Category				Start		End	
Item	Operation & Maintenance		се	39.12009	96 °	39.120096 °	
iteiii	Manual			-121.77923	30°	-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_2							
Action/Comments							

Inspector Comments: O & M manual is not at the site due to construction; O & M manual is being kept at Sutter Yard.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS Lat	itud	le/Longitude
Category				Start		End
Item	Plant Buil	ding		39.12009	6°	39.120096 °
пеш				-121.77923	0 °	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_3			
		Action/	Comme	nts		

Inspector Comments: Plant building appears to be in good working condition. The project is currently under construction.



View of the Plant control building.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Page 2 of 8

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS La	tituc	le/Longitude
Calegory				Start		End
Item	Communi	cations		39.12009	6 °	39.120096 °
пеш				-121.77923	0°	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_4			
		Action/	Comme	nts		

Inspector Comments: Operator has two-way radio and celluar phone available to them. The remote control operation system (SCADA) is currently being tested and should be ready by the start of flood season.

No Photos

Issue No. LM Start 0.00 Rating ** Α 5 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Start End Safety 39.120096° 39.120096° Item -121.779230° -121.779230° DWR ID DWR_NA0060_23_t _ 2012_5

Action/Comments

Inspector Comments: Site is under construction safety wear is required during construction (hard hat, vest and eyewear). Some of the hazards may include moving equipment.



View of the fire extinguisher and emergency shut off.

LM Start	0.00	Rating **	N	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions		GPS La	titud	le/Longitude	
Category				Start		End	
Item	Cranes			39.12009	96 °	39.120096	0
пеш				-121.77923	30°	-121.779230	0
DWR ID	DWR_NA0	060_23_t _ 201	2_6				
		Action/	Comme	nts			

Inspector Comments: Cranes are not present at this site.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structur	e	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pump	ing Plant No. 3		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS La	ituc	le/Longitude
Category				Start		End
Item	Pumps			39.12009	6°	39.120096 °
пеш				-121.77923	0°	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_7			
		Action/	Comme	nts		

Inspector Comments: Pumps appear to be properly maintained and in working condition.

No Photos

Rating ** Issue No. LM Start 0.00 Α Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Start End Power 39.120096° 39.120096° Item -121.779230° -121.779230° DWR ID DWR_NA0060_23_t _ 2012_8

Action/Comments

Inspector Comments: The structure is on the grid with emergency generator backup.



View of the emergency backup generator.

LM Start	0.00	Rating **	Α	Issue No.		10
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Sta	tions		GPS La	titud	le/Longitude
Category				Start		End
Item		ngines, Fans	& Gear	39.12009	6°	39.120096 °
пеш	Reducers			-121.77923	° 0	-121.779230 °
DWR ID	DWR_NA0	060_23_t _ 201	2_10			
		Action/	Comme	nts		

Inspector Comments: These items appear to be maintained and in operating condition.



View of the motors.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		11
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Pump Co	ntrol Systems		39.1200	96 °	39.120096
пеш				-121.7792	30°	-121.779230
DWR ID	DWR_NA0	060_23_t _ 201	2_11			
		Action/	Comme	nts		

Inspector Comments: Pump control systems on site are new and appear to be in working order.

Photo 1 of 1: ST_2015_NA00	60_23_11_20150720_00017.jpg

View of the pump computer and control panels

Photo 1 of 2: ST_2015_NA0060_23_12_20150720_00018.jpg

LM Start	0.00	Rating **	Α	Issue No.		12
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Sta	tions		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Sumps/W	et Well		39.1200	96 °	39.120096
пеш				-121.7792	30°	-121.779230
DWR ID	DWR_NA0	060_23_t _ 201	2_12		·	
		Action/	Comme	nts		

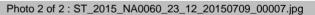
Inspecto

nd	0.00	Issue Type +	Ma	Location *		
ry	Pump Sta	itions		GPS La	titud	e/Longitude
,ı y				Start		End
	Sumps/W	et Well		39.12009	96 °	39.120096 °
				-121.7792	30 °	-121.779230 °
D	DWR_NA0	060_23_t _ 201	2_12			
		Action/	'Comme	nts		
or (Comments	: Sumps are	clear and	d free of deb	oris.	

View of the wet well.

07/09/2015

LM Start	0.00	Rating **	Α	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of the wet wells with controlled access.

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Category				Start		End
Itom	Trash Rad	cks		39.1200	96 °	39.120096°
item	Item				30°	-121.779230 °
DWR ID DWR_NA0060_23_t _ 2012_13						
		Action/	Comme	nts		

Inspector Comments: No debris present on trash racks, they appear to be in good condition.



View of the trash rack free of debris, total of four similar racks.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start	End		
Itom	Trash Ral	ces		39.12009	6 °	39.120096	0
Item				-121.77923	° 0	-121.779230	0
DWR ID DWR_NA0060_23_t _ 2012_14							
	Action/Comments						

Inspector Comments: No trash rake at this site.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Category				Start		End	
Item	Sluice / S	lide Gates		39.12009	6 °	39.120096 °	
item				-121.77923	0 °	-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_15							
		Action/	Comme	nts			

Inspector Comments: Sluice gates appear to be in good working order.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	N	Issue No.		16	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Electric G	ate Operators	;	39.1200	96°	39.120096	0
пеш				-121.7792	30°	-121.779230	0
DWR ID DWR_NA0060_23_t _ 2012_16							
	Action/Comments						

Inspector Comments: Item does not apply, gate operators are manual only.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Manual G	ate Operators	3	39.12009	3°	39.120096	0
пеш				-121.77923	o°	-121.779230	0
DWR ID	DWR_NA0	060_23_t _ 201	2_17				

Action/Comments

Inspector Comments: Manual gate operators appear to be in good working condition.



Photo shows manual gate operators.

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS La	GPS Latitude/Longitude		
Category				Start		End	
Item	Other Metallic Items			39.1200	96 °	39.120096	٥
пеш				-121.7792	30°	-121.779230	0
DWR ID	DWR_NA0	060_23_t _ 201	2_18				
Action/Comments							

Inspector Comments: All other metal parts that were visible are corrosion protected.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Flap Gate	S		39.12009	96 °	39.120096°	
item				-121.7792	30°	-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_19							
	Action/Comments						

Inspector Comments: Flap gates appear to be in proper working condition, they show no signs of corrosion or damage.



Photo shows flap gates and concrete outfall structure.

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations				GPS Latitude/Longitude			
Category				Start		End	
Item	Closure S	tructures		39.12009	96 °	39.120096°	
iteiii	1			-121.7792	30°	-121.779230 °	
DWR ID DWR_NA0060_23_t _ 2012_20							
		Action/	Comme	nte			

Inspector Comments: No closure structure present at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
				Start		End	
Item	Security Fencing			39.12009	96 °	39.120096°	
item				-121.77923	30°	-121.779230 °	
DWR ID	DWR_NA0060_23_t _ 2012_21						
Action/Comments							

Inspector Comments: Site is currently secured by a masonry brick wall.



Photo shows masonry brick wall which encloses the entire structure.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/09/2015 07/09/2015	Maksim Khashchuk

LM Start	0.00	Rating **	Α	Issue No.		22	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Intake and Discharge Pipes			39.120096 °		39.120096 °	
пеш			-121.7792	30°	-121.779230 °		
DWR ID	DWR_NA0060_23_t _ 2012_22						
Action/Comments							
Inspector Comments: No visible deficiencies observed in the pipe's							

condition.



View of the structure intake.

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Sutter Bypass Weir No. 2	

Structure Rating	Α
Date of Inspection	08/04/2015
DWR Inspector	Michael Pitta
Accompanied By	

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	1		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	Photo Documentation			39.10276	33°	39.102763	
пеш		-121.75873	88°	-121.758738			
DWR ID	DWR_NA0	2_1					
	Action/Comments						

Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ма	Location *	



View of the weir from the upstream side of the structure.

Photo 2 of 4: ST_2015_NA0060_10_1_20150811_00006.jpg



View of the downstream side of the structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	Photo 3 of 4 : ST_2015_NA0060_10_1_20150811_00007.jpg
LM End	0.00	Issue Type +	Ma	Location *		



View of the structure looking upstream.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En : Enforcement

A/W: Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		1 (cont)		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures	Lined	GPS La	tituc	de/Longitude			
Calegory	Channels		Start		End			
Item	Photo Documentation			39.10276	3 °	39.102763 °		
пеш			-121.75873	8 °	-121.758738 °			
DWR ID	DWR_NA0	2_1						
	Action/Comments							

Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.



View of the weir from the levee crown.

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ма	Location *			
Category		& Concrete I	_ined	GPS La	atitud	le/Longitude	
Calegory	Channels	Start		End			
Item	Vegetation & Obstructions			39.1027	63 °	39.102763	0
item				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0	060_10_t _ 201	2_2				

Action/Comments

Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ма	Location *				
Category	- 11 - 1 - 1 - 1	& Concrete I	_ined	GPS La	tituc	de/Longitude		
Category	Channels	Start		End				
Item	Shoaling / Sedimentation			39.10276	3°	39.102763	0	
Item				-121.75873	88°	-121.758738	0	
DWR ID	DWR_NA0							
Action/Comments								

Inspector Comments: No shoaling or sedimentation present.

No Photos

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures	GPS La	titud	le/Longitude			
Calegory	Channels	Start		End			
Item	Erosion / Bank Caving			39.1027	63 °	39.102763	0
пеш				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0						
Action/Comments							

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

Issue No. LM Start 0.00 Rating ** Α Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Revetments 39.102763° 39.102763° Item -121.758738° -121.758738 ° DWR ID DWR_NA0060_10_t _ 2012_5

Action/Comments
Inspector Comments: Existing riprap protecttion is properly maintained and is undamaged. Riprap clearly visible.

Rating ** Issue No. LM Start 0.00 6 0.00 Issue Type + Ma Location * I M End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Encroachments 39.102763° 39.102763° Item -121.758738 ° -121.758738 ° DWR ID DWR NA0060 10 t 2012 6 Action/Comments

Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.

No Photos

No Photos

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Culverts:	Inlets / Outlets	S	39.10276	3°	39.102763	
пеш					в°	-121.758738	
DWR ID	DWR_NA0060_10_t _ 2012_7						
	Action/Comments						

No Photos

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start		End		
Item	Culverts: Breaks / Holes /			39.10276	3°	39.102763	0
пеш	Cracks			-121.758738 ° -121.75873			0
DWR ID	DWR_NA0060_10_t _ 2012_8						
Action/Comments							

No Photos

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	9		
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude				
			Start I		End		
Metal Pipes			39.1027	63 °	39.102763 °		
item				-121.7587	38 °	-121.758738 °	
DWR ID	DWR_NA0060_10_t _ 2012_9				·		
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	10		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Trash Racks			39.1027	63°	39.102763	٥
пеш				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0	DWR_NA0060_10_t _ 2012_10					
		Action/	Comme	nte			

Inspector Comments: Trash racks are fastened in place and properly maintained.

Issue No. LM Start 0.00 Rating ** Ν 11 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Flap Gates 39.102763° 39.102763° Item -121.758738° -121.758738 ° DWR ID DWR NA0060 10 t 2012 11 Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 12 LM End 0.00 Issue Type + Ma Location * Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Sluice/Slide Gates 39.102763° 39.102763° Item -121.758738° -121.758738 ° DWR ID DWR NA0060 10 t 2012 12 Action/Comments

Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	13	
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels			Start		End
Item	Electric Gate Operators		39.10276	3 °	39.102763 °	
пеш				-121.75873	8 °	-121.758738 °
DWR ID	DWR_NA0	DWR_NA0060_10_t _ 2012_13				
Action/Comments						

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	14		
LM End	0.00	Issue Type +	Ma	Location *			
Category	- 11 11 11 11 1	& Concrete	Lined	GPS La	atituc	le/Longitude	
Calegory	Channels			Start		End	
Item	Manual Gate Operators			39.1027	63 °	39.102763	0
iteiii				-121.7587	38 °	-121.758738	0
DWR ID	DWR_NA0060_10_t _ 2012_14						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	atitud	le/Longitude	
Category	Channels			Start		End	
Item	Concrete	Surfaces		39.1027	63°	39.102763	0
item				-121.7587	38°	-121.758738	0
DWR ID	DWR_NA0						
Action/Comments							

Inspector Comments: Negligible spalling, scaling, and cracking.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	16		
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete I	Lined	GPS La	titud	e/Longitude	
Calegory	Channels			Start		End	
Item	Concrete Tilting / Settlement		ment	39.10276	33°	39.102763	0
пеш				-121.75873	88 °	-121.758738	0
DWR ID	DWR_NA0060_10_t _ 2012_16					,	
Action/Comments							

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.

LM Start	0.00	Raung	А	issue ivo.		17	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Structures & Concrete Lined		GPS Latitude/Longitu		le/Longitude		
Calegory	Channels	S		Start		End	
Item	Concrete	Foundations		39.10276	3°	39.102763	٥
пеш				-121.75873	3°	-121.758738	٥
DWD ID	DIAID NIAO	000 40 + 004	0 47				

DWR ID DWR_NA0060_10_t _ 2012_17

Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

LM Start	0.00	Rating **	Α	Issue No.		18	
LM End	0.00	Issue Type +	Ma	Location *			
Category Structures & Concrete Lined Channels		GPS Latitude/Longitude					
		Start		End			
Item	Security Fencing		39.10276	3°	39.102763 °		
Item				-121.75873	88°	-121.758738 °	
DWR ID	DWR_NA0	060_10_t _ 201	2_18				
	Action/Comments						

Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal

parts.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.		19
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined		GPS Latitude/Longitude				
Calegory	Channels		Start		End	
Itom	Closure S	Closure Structures		39.10276	33°	39.102763 °
item	Item			-121.75873	88 °	-121.758738 °
DWR ID	DWR_NA0	060_10_t _ 201	2_19			
Action/Comments						

Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are readily available at all times. Componets of closure clearly marked and installation instructions / procedures readily available.

No Photos

No Photos

Issue No. LM Start 0.00 Rating ** Ν 20 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 39.102763° 39.102763° Item -121.758738° -121.758738 ° DWR ID DWR_NA0060_10_t _ 2012_20

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels		Start		End		
Item	Other Met	Other Metallic Items		39.1027	63 °	39.102763 °	
item		-121.758738 °		-121.758738 °			
DWR ID	DWR_NA0	060_10_t _ 201	2_21				
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels		Start		End	
Item	Monolith .	Monolith Joints		39.102763 °		39.102763 °
пеш				-121.75873	8 °	-121.758738 °
DWR ID	DWR_NA0	060_10_t _ 201	2_22			
Action/Comments						

Inspector Comments: The monolith joint material is in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Item	Safety	Safety		39.1027	63 °	39.102763 °	
item		-121.758738 °		-121.758738 °			
DWR ID	DWR_NA0	060_10_t _ 201	2_23				

Action/Comments

Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure.



View of the type of safety railing used on the weir.

LM Start	0.00	Rating **	Α	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			GPS Latitude/Longitude				
Category	Channels		Start		End		
Itom	Item Operation & Maintenance Manual		ce	39.1027	63 °	39.102763	0
Item					38 °	-121.758738	0
DWR ID	DWR_NA0	060_10_t _ 201	3_24				
	Action/Comments						

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Tisdale Weir	

Structure Rating	Α
Date of Inspection	08/04/2015
DWR Inspector	Michael Pitta
Accompanied By	

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.		1
LM End	0.00	Issue Type +	Ма	Location *		
Category		& Concrete I	_ined	GPS La	titu	de/Longitude
Category	Channels			Start		End
Item	Photo Do	cumentation		39.0267	13 °	39.026713 °
пеш				-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0060_3_t _ 2012_1					
		Action/	Comme	nts		

			100		
Distance	-		28/28/12	1	(To the
	NAME OF TAXABLE PARTY.	- WE.			Two Tex
Section with	LANGE				
					- 4
	No. of the last	-			
					08/04/2015

Photo 1 of 6: ST_2015_NA0060_3_1_20150805_00012.jpg

View from the structure facing downstream.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 6: ST_2015_NA0060_3_1_20150805_00013.jpg



view of the structure from the left bank of the channel. Photo 3 of 6: ST_2015_NA0060_3_1_20150528_00004.jpg

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Concrete cracking along the south wing wall.

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Ν	Issue No.		1 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Category		& Concrete I	_ined	GPS La	atitud	e/Longitude
Calegory	Channels			Start		End
Item	Photo Do	cumentation		39.0267	13 °	39.026713 °
пеш				-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0	060_3_t _ 2012	_1			
		Action/	Comme	nts		

Photo 4 of 6 : \$1_201	15_NA0060_3_1_20150805_00014.jp
	3 1 5 C A
	08/04/2015

View of some debris found on the structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Exposed rebar with lengths in excess of 6 feet. Should be cut off flush with concrete surface.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Exposed rebar within the structure.

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	М	Issue No.	2			
LM End	0.00	Issue Type +	Ма	Location *				
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start		End		
Itom	Vegetatio	n & Obstruction	ons	39.0267	13 °	39.026713	0	
Item			-121.8219	95 °	-121.821995	0		
DWR ID	DWR_NA0060_3_t _ 2012_2				·			
	Action/Comments							

Inspector Comments: Minimal, scattered logs in the weir and on the upstream side. The flow is not impeded.

LM Start	0.00	Rating **	М	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the logs found on the weir facing the left bank of the channel.

Photo 2 of 2: x_2015_NA0060_3_2_20150820_00019.jpg



View of a fallen tree that has snagged on the right bank of the weir.

Photo 1 of 2 : x_2015_NA0060_3_3_20150820_00017.jpg

LM Start	0.00	Rating **	Α	Issue No.		3		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End		
Item	Shoaling /	Sedimentation	on	39.02671	3°	39.026713°		
item				-121.82199	95 °	-121.821995 °		
DWR ID	DWR_NA0	060_3_t _ 2012	_3					
	A :: 10							

Action/Comments

Inspector Comments: Minimal shoaling or sedimentation present.



View of the sediment buildup in the weir facing the right bank of the channel.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	3 (cont)		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined				GPS La	titud	le/Longitude	
Calegory	Channels			Start		End	
Item	Shoaling /	Sedimentation	on	39.0267	13 °	39.026713	
пеш				-121.8219	95 °	-121.821995	
DWR ID	DWR ID DWR_NA0060_3_t _ 2012_3						
	Action/Comments						

Inspector Comments: Minimal shoaling or sedimentation present.



View of the sediment buildup in the weir.

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels	Start		End			
Item	Erosion / I	Bank Caving		39.02671	3°	39.026713	0
пеш	3111		-121.82199	5°	-121.821995	0	
DWR ID	DWR_NA0	060_3_t _ 2012	_4				

Action/Comments

Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	titud	le/Longitude	
Calegory	Channels					End	
Item	Revetmer	nts		39.0267	3 °	39.026713 °	
iteiii				-121.82199	95 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t _ 2012_5						
Action/Comments							

Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.

No Photos

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Lat	itud	e/Longitude	
Calegory	Category Channels			Start		End	
Item	Encroach	ments		39.02671	3°	39.026713 °	
пеш				-121.82199	5°	-121.821995 °	
DWR ID	DWR_NA0	WR_NA0060_3_t _ 2012_6					
	Action/Comments						

Inspector Comments: There are some debris near the structure.

Issue No. LM Start 0.00 Rating ** Ν 7 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Culverts: Inlets / Outlets 39.026713° 39.026713° Item -121.821995 ° -121.821995 ° DWR ID DWR NA0060 3 t 2012 7 Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 8 LM End 0.00 Issue Type + Ma Location * Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Culverts: Breaks / Holes / 39.026713° 39.026713 ° Item Cracks -121.821995 ° -121.821995 ° DWR ID DWR NA0060 3 t 2012 8 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	9		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Lat	tud	e/Longitude	
Calegory	Category Channels			Start		End	
Item	Metal Pipe	es		39.02671	3°	39.026713 °	
пеш				-121.82199	5 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t _ 2012_9						
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 10 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Racks 39.026713° 39.026713° Item -121.821995 ° -121.821995 ° DWR NA0060 3 t 2012 10 DWR ID

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		11			
LM End	0.00	Issue Type +	Ма	Location *					
Structures & Concrete Lined				GPS Lat	ituc	de/Longitude			
Channels			Start		End				
Item	Flap Gate	s		39.02671	3°	39.026713	٥		
item				-121.82199	5 °	-121.821995	٥		
DWR ID DWR_NA0060_3_t _ 2012_11									
Action/Comments									

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Lat	tud	e/Longitude	
Calegory	Category Channels			Start		End	
Item	Sluice/Slic	de Gates		39.02671	3°	39.026713 °	
пеш				-121.82199	5 °	-121.821995 °	
DWR ID	DWR_NA0	WR_NA0060_3_t _ 2012_12					
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		13	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start End		End	
Item	Electric Gate Operators			39.0267	13 °	39.026713	0
item				-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_13				
		A .:	_				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
				Start		End	
Item	Manual Gate Operators			39.0267	13 °	39.026713	0
item				-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_14				
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
Calegory				Start		End
Item	Concrete Surfaces			39.0267	13 °	39.026713 °
item				-121.8219	95 °	-121.821995 °
DWR ID	DWR_NA0060_3_t _ 2012_15					
		Action/	Comme	nts		

Inspector Comments: Minimal spalling, scaling or cracking on main surface of structure and wing walls.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



This photo shows some surface damage.

Photo 2 of 3: ST_2015_NA0060_3_15_20150805_00009.jpg



View of some cracking on the weir.

LM Start	0.00	Rating **	Α	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



Another view of the damaged area. Rebar can be observed.

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.		16		
LM End	0.00	Issue Type +	Ma	Location *				
Category		& Concrete I	Lined	GPS La	atitud	le/Longitude		
Calegory	Channels			Start E		End	End	
Item	Concrete Tilting / Settlement			39.0267	13 °	39.026713	0	
item				-121.8219	95 °	-121.821995	0	
DWR ID	DWR_NA0	DWR_NA0060_3_t _ 2012_16			·			
	Action/Comments							

Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ma	Location *			
Cotogoni	Structures & Concrete Lined			GPS Latitude/Longitude			
	Channels	Start End		End			
Item	Concrete	Foundations		39.0267	13 °	39.026713	0
				-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0	060_3_t _ 2012	_17				

Action/Comments

Inspector Comments: No scouring / erosion or undermining near the structure.

LM Start	0.00	Rating **	N	Issue No.		18		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude				
Calegory				Start E		End		
Item	Security Fencing			39.0267	13 °	39.026713	0	
				-121.8219	95 °	-121.821995	0	
DWR ID	DWR_NA0	060_3_t _ 2012	_18					
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	N	Issue No.	19		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start End		End	
Item	Closure Structures			39.0267	13 °	39.026713	0
item				-121.8219	95 °	-121.821995	0
DWR ID	DWR_NA0060_3_t _ 2012_19						
	Action/Comments						

Inspector Comments: This item does not apply to this inspection.

Issue No. LM Start 0.00 Rating ** Ν 20 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 39.026713° 39.026713° Item -121.821995 ° -121.821995 ° DWR ID DWR NA0060 3 t 2012 20

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

Rating ** Issue No. LM Start 0.00 Ν 21 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 39.026713° 39.026713 ° Item -121.821995 ° -121.821995 ° DWR ID DWR NA0060 3 t 2012 21 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		08/04/2015 08/04/2015	Michael Pitta

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels			Start		End	
Item	Monolith Joints			39.0267	13 °	39.026713 °	
пеш				-121.8219	95 °	-121.821995 °	
DWR ID	WR ID DWR_NA0060_3_t _ 2012_22						
Action/Comments							

Inspector Comments: The monolith joint material is in good condition.

No Photos

Rating ** Issue No. LM Start 0.00 Α 23 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Safety 39.026713° 39.026713° Item -121.821995 ° -121.821995 ° DWR ID DWR NA0060 3 t 2012 23

Action/Comments

Inspector Comments: Exposed rebar needs to be cut flush with existing concrete surface.



View of the rebar that is needed to be cut flush on the weir.

LM Start	0.00	Rating **	Α	Issue No.	24		
LM End	0.00	Issue Type +	Ma	Location *			
Category Channels			GPS Latitude/Longitude				
Category	Channels			Start		End	
Itom	Item Operation & Maintenance Manual			39.0267	13 °	39.026713	٥
Item				-121.8219	95 °	-121.821995	٥
DWR ID DWR_NA0060_3_t _ 2013_24							
Action/Comments							

Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Flood Control Project Maintenance

Unit Cover Sheet

2015 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure	
Wadsworth Canal Weir No. 4	

Structure Rating	Α
Date of Inspection	07/06/2015
DWR Inspector	Bob Duffey
Accompanied By	Tim Shill DWR Sutter Yard

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/06/2015 07/06/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Category Structures & Concrete Lined Channels			GPS Latitude/Longitude			
			Start		End	
Item	Photo Documentation			39.15332	25 °	39.153325 °
пеш				-121.73412	22 °	-121.734122 °
DWR ID DWR_NA0060_11_t _ 2012_23						
Action/Comments						

Inspector Comments: Upstream side of the structure is clear of debris.



View of the upstream side of the Wadsworth Canal Weir No. 4.

LM Start	0.00	Rating **	Α	Issue No.		1		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitude					
Calegory	Category Channels			Start		End		
Item	Vegetation & Obstructions			39.15332	25 °	39.153325 °		
item				-121.73412	22 °	-121.734122 °		
DWR ID	DWR_NA0	060_11_t _ 201	2_1					
	Action/Comments							

Action/Comments

Inspector Comments: There is no vegetation that would impact the flow of water.

NIA	Dh	otos
140	-11	CHUS

LM Start	0.00	Rating **	Α	Issue No.		2	
LM End	0.00	Issue Type +	Ма	Location *			
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude			
Category Channels			Start		End		
Item	Shoaling / Sedimentation			39.15332	.5°	39.153325	0
пеш	item			-121.73412	2°	-121.734122	0
DWR ID	DWR_NA0060_11_t _ 2012_2						
Action/Comments							

Inspector Comments: There is no shoaling or sedimentation present.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/06/2015 07/06/2015	Bob Duffey

LM Start	0.00	Rating **	М	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End		
Itom	Item Erosion / Bank Caving		39.153325 °		° 39.153325 °		
пеш				-121.73412	22 °	-121.734122 °	
DWR ID	DWR ID DWR_NA0060_11_t _ 2012_3						
Action/Comments							
Inspector (Inspector Comments: Repair all erosion along the channel before winter.						



View of the downstream side of the Wadsworth Canal Weir No.4 showing erosion along channel.

LM Start	0.00	Rating **	Α	Issue No.		4
LM End	0.00	Issue Type +	Ма	Location *		
Catagony	Structures & Concrete Lined			GPS Latitude/Longitude		
Calegory	Category Channels		Start		End	
Item	Revetmer	nts		39.153325	5°	39.153325°
пеш				-121.734122	2°	-121.734122 °
DWR ID	DWR_NA0	060_11_t _ 201	2_4			
A 11 10 1						

Action/Comments

Inspector Comments: Extended riprap protection is properly maintained.

NΙΛ	Photos

LM Start	0.00	Rating **	Α	Issue No.	5		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS La	titud	e/Longitude		
Category Channels		Start		End			
Item	Encroachments			39.15332	25 °	39.153325 °	
пеш				-121.73412	2°	-121.734122 °	
DWR ID	DWR ID DWR_NA0060_11_t _ 2012_5						
Action/Comments							
Inspector (Comments	: There are no	o debris	obstructing t	the	structure.	

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/06/2015 07/06/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Category Channels			Start		End	
Item	Culverts:	Inlets / Outlets	S	39.15332	25 °	39.153325°	
пеш				-121.73412	22 °	-121.734122 °	
DWR ID	DWR_NA0060_11_t _ 2012_6						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Culverts: Breaks / Holes / 39.153325° 39.153325° Item Cracks -121.734122 ° -121.734122 ° DWR ID DWR_NA0060_11_t _ 2012_7

Action/Comments

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	8		
LM End	0.00	Issue Type +	Ма	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Category	Channels	Start		End			
Item	Metal Pipe	es		39.1533	25 °	39.153325	0
Item		-121.7341	22 °	-121.734122	0		
DWR ID DWR_NA0060_11_t _ 2012_8							
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/06/2015 07/06/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	9		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Trash Racks			39.1533	25 °	39.153325	0
пеш				-121.7341	22 °	-121.734122	0
DWR ID	DWR ID DWR_NA0060_11_t _ 2012_9						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.	10			
LM End	0.00	Issue Type +	Ма	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Category	Channels			Start		End		
Flap Gates			39.15332	25 °	39.153325	0		
пеш				-121.73412	2°	-121.734122	0	
DWR ID	DWR_NA0	060_11_t _ 201	2_10					
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

LM Start	0.00	Rating **	N	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Category	Channels			Start		End		
Sluice/Slide Gates			39.1533	25 °	39.153325 °			
Item				-121.7341	22 °	-121.734122 °		
DWR ID	DWR_NA0	060_11_t _ 201	2_11					
Action/Comments								

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/06/2015 07/06/2015	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Category Channels			Start		End	
Item	Electric G	ate Operators	3	39.15332	5 °	39.153325 °	
пеш				-121.73412	2 °	-121.734122 °	
DWR ID	DWR_NA0060_11_t _ 2012_12						
Action/Comments							

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. LM Start 0.00 Rating ** Ν 13 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Manual Gate Operators 39.153325° 39.153325° Item -121.734122 ° -121.734122 ° DWR ID DWR NA0060 11 t 2012 13

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

Issue No. Rating ** LM Start 0.00 14 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Concrete Surfaces 39.153325° 39.153325° Item -121.734122 ° -121.734122 ° DWR ID DWR NA0060 11 t 2012 14 Action/Comments

Inspector Comments: There is no spalling or cracking of the structure.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/06/2015 07/06/2015	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Concrete Tilting / Settlement		39.15332	5°	39.153325 °		
nem				-121.73412	2°	-121.734122 °	
DWR ID	DWR_NA0060_11_t _ 2012_15					·	
Action/Comments							

Inspector Comments: There are no significant areas of tilting.

No Photos

Issue No. LM Start 0.00 Rating ** Α 16 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Concrete Foundations 39.153325° 39.153325° Item -121.734122 ° -121.734122 ° DWR ID DWR NA0060 11 t 2012 16

Action/Comments

Inspector Comments: There is some erosion on the downstream side near the structure.

No Photos

Rating ** Issue No. LM Start 0.00 17 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Security Fencing 39.153325° 39.153325° Item -121.734122 ° -121.734122 DWR ID DWR NA0060 11 t 2012 17 Action/Comments

Inspector Comments: There is a security fence around the structure.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/06/2015 07/06/2015	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Closure Structures			39.1533	25 °	39.153325	٥
nem				-121.7341	22 °	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	2_18				
		Action/	Comme	nte			

Inspector Comments: There are stop logs available for within the channel, but the structure does not have any other closure structure.

Issue No. LM Start 0.00 Rating ** Ν 19 Issue Type + Ма Location * 0.00 LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Trash Rakes 39.153325° 39.153325° Item -121.734122 ° -121.734122 ° DWR ID DWR NA0060 11 t 2012 19 Action/Comments

Inspector Comments: This item does not apply to this inspection.

Rating ** Issue No. LM Start 0.00 Ν 20 LM End 0.00 Issue Type + Ma Location * Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Other Metallic Items 39.153325° 39.153325° Item -121.734122 ° -121.734122 DWR ID DWR NA0060 11 t 2012 20 Action/Comments

Inspector Comments: This item does not apply to this inspection.

No Photos

No Photos

No Photos

* Location LS : Land Side CR : Crown

: Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		07/06/2015 07/06/2015	Bob Duffey

LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Monolith Joints			39.1533	25 °	39.153325	0
nem				-121.7341	22 °	-121.734122	0
DWR ID	DWR_NA0	060_11_t _ 201	2_21				
		Action/	Comme	nts			

Inspector Comments: The mortar joint material is in good condition.

No Photos

Issue No. LM Start 0.00 Rating ** Α 22 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Safety 39.153325° 39.153325° Item -121.734122 ° -121.734122 ° DWR ID DWR NA0060 11 t 2012 22

Action/Comments

Inspector Comments: Sutter Maintenance Yard has a safety program in place.

No Photos

Rating ** Issue No. LM Start 0.00 24 0.00 Issue Type + Ma Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels End Start Operation & Maintenance 39.153325° 39.153325° Item Manual -121.734122 ° -121.734122 ° DWR NA0060 11 t 2013 24 DWR ID Action/Comments

Inspector Comments: The yard has a copy of the O&M Manual.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence